

NOTEWORTHY GRASSES FROM MEXICO XIII

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In 1977 (cf *Phytologia* 37: 317-407) an annotated list of the grasses reported for Mexico was published. Since that time there has been a concerted effort by the Mexican Comisión Técnico Consultiva de Coeficientes de Agostadero of the Dirección General de Normatividad Pecuaria, Secretaría de Agricultura y Recursos Hidráulicos, to gather information on the taxonomy, distribution and forage value of the grasses of Mexico. Personnel associated with this work have included:

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The list presented here is considerably more accurate than the first but much remains to be done.

For previous papers see *Phytologia* 27:1974, 28:1974; 30:1975; 35:1977, 38:1978, 47:1981, 49:33-34; 52:11 - 17. 1981; 54:1983,

- ACROCERAS Stapf Paniceae
 5 - 6 species, both hemispheres, subtropical.
1. A. zizanioides (HBK) Dandy
Pantropical, probably native.
 Southern México: Veracruz, Oaxaca, Chiapas, Tabasco, Campeche.
- AEGILOPS L. Hordeae
 20 - 30 species, circum-Mediterranean.
2. A. cylindrica Host.
Introduced.
 Northern México: Reported only for Chihuahua where cultivated.
- AEGOPOGON Humb. & Bonpl. Chlorideae
 3 species, New World.
3. A. cenchroides Humb. & Bonpl. var. cenchroides
 México to Colombia and Venezuela, native.
 Common from Chihuahua to Chiapas.
 - 3a. A. cenchroides var. breviglumis (Scribn.) Beetle
 Same distribution as the species but less common, native.
 4. A. tenellus (DC) Trin. var. tenellus.
 Arizona to Guatemala, native.
 Common from Baja Norte and Chihuahua south to Chiapas.
 - 4a. A. tenellus var. abortivus (Fourn.) Beetle.
 Northern range of the species but less common, native.
 Sonora south to México, Tlaxcala and Veracruz.
- AGROPYRON Gaertn. Hordeae
 50 - 60 species, both hemispheres, temperate,
5. A. arizonicum Scribn. & Smith
 Northern México and adjacent United States, native.
 Mountains: Sonora, Chihuahua, Coahuila, Nuevo León, Zacatecas, San Luis Potosí, México and Morelos.
 6. Agropyron parishii Scribn. & Smith var. laeve Scribn. & Smith
 Southern California and adjacent México, native.
 Rare, northern Baja California Norte.
 7. A. trachycaulum (Link) Malte
 Boreal North America south in the mountains to México, native.
 Mountains: Baja Norte, Chihuahua, Coahuila, Nuevo León, Tamaulipas.
 8. Agropyron vaillantianum (Wulf. & Schreb.) Trautv.
 Europe, North America and South America, native.
 Northern México and the central highlands.
- AGROSTIS . Agrostideae
 150 species, New World and Old World, both hemispheres, temperate.
9. A. alba L.
Introduced.
 Mestic sites: Chihuahua, Coahuila & Nuevo León south to Oaxaca.
 10. A. borealis Hartm.
Circumboreal, south in the mountains to México, native.
 Mountains: Puebla (near Mirador Restaurant).

11. A. bourgaei Fourn.
Either an introduced variation of A. alba or an endemic.
Mountains: Hidalgo, México, and Tlaxcala and Guanajuato.
12. A. diegoensis Vasey
Western United States south to Baja Norte, México
Coast range: Baja Norte.
13. A. elliottiana Schultes
Maryland to Illinois south to Georgia and Texas; México,
native.
Waste Places: reported only for Yucatán. (Where introduced)
14. A. exarata Trin.
Alaska and western North America south to México.
Moist places: Baja California; Chihuahua, Coahuila south to
México.
15. A. ghiesbreghtii Fourn.
México, endemic.
Central Mountains: Hidalgo, México, Morelos, Guerrero,
Oaxaca and Pico de Orizaba.
16. A. hiemalis (Walt.) B.S.P. var. laxiflora (Gray) Beetle
Newfoundland to Alaska and south in the mountains to central
México.
Mountains : Baja California, Chihuahua, Coahuila, south to
Chiapas.
17. A. liebmännii (Fourn.) Hitchc.
México, endemic.
Type loc: Chimantla, Veracruz; also Durango (type loc. for
A. durangensis Mez); Queretaro, México y Oaxaca.
18. A. microphylla Steud.
California and México, native.
19. A. palustris Huds.
Introduced.
Marshes: Baja Norte and Chihuahua, Coahuila.
20. A. perennans (Walt.) Tuckerman
Quebec to Minesota, and south to Florida and Guatemala.
Mountains: Durango, San Luis Potosí, Jalisco, Hidalgo,
México, south to Chiapas.
21. A. rosei Scribn. & Merr.
México, endemic.
Mountains: Durango, Zacatecas, and México.
22. A. schaffneri Fourn.
México, endemic.
Mountains: Queretaro, Michoacán, México, Tlaxcala, Puebla,
Oaxaca & Chiapas.
23. A. semiverticillata (Forsk.) Christ.
Introduced.
Wet places, common throughout México except only the Yucatán
Peninsula.
24. A. subrepens (Hitchc.) Hitchc.
México and Venezuela, native.
Wet places: Chihuahua.
25. A. tacubayensis Fourn.
México, endemic.
Mountains: Michoacán, State of México and Oaxaca.
26. Agrostis tandilensis (Kunth) Parodi
Southern California and adjacent México, native.
Rare in northern Baja California Norte.

27. A. thyrsigera Mez
México, endemic.
Central Montains:
28. A. toluensis HBK
México: south to Chile.
Central Montains:
29. A. vinosa Swallen
México and Guatemala, native.
Central Montains.
30. A. virescens HBK
México, endemic.
Central Montains.

AIRA L. Aveneae
About 10 species 9 Old World annuals

31. Aira caryophyllea L.
Introduced.
Reported from Oaxaca and Baja California Norte.

ALLOLEPIS Soderstrom and Decker Eragrostaeae
One species, North America.

32. A. texana (Vasey) Soderstrom and Decker
Texas and México, native.
Salt flats: Chihuahua, Coahuila, Tamaulipas and Durango.

ALOPECURUS L. Agrostideae
20 - 30 species, Temperate regions.

33. A. geniculatus L.
Northern hemisphere, temperate, native.
Wet places: at its southern extreme reported from Chihuahua.
34. Alopecurus howellii Vasey
From Oregon to the northwest corner of México, native.
Rare in Baja California Norte.
35. Alopecurus saccatus Vasey
Western Canada south to northern México, native.
Rare in Baja California Norte.

ANDROPOGON L. Andropogoneae
About 100 species, temperate to subtropical, worldwide.

36. A. (Anatherum) bicornis L.
México to Argentina, native.
Pine savanna or brush: Nayarit, Jalisco, Tamaulipas, Hidalgo, Puebla, Oaxaca, Veracruz, Chiapas, Tabasco, Campeche and Yucatán.
37. A. (Anatherum) bourgaei Hack.
México, endemic.
Stream draws; Veracruz (Type loc. Rio Blanco), Oaxaca, and Chiapas.
38. A. (Schizachyrium) brevifolius (Sw.) Nees.
Tropical and subtropical regions of world, described from "Jamaica", native.
Pine savanna: Sonora south to Chiapas.
39. A. (Schizachyrium) cirratus Hack.
México and adjacent United States, native.
Pine savannas: northern border states south to Chiapas.

40. A. (Schizachyrium) condensatus HBK
As var. elongatum Roberty: México to Paraguay.
As subsp. elongatus subvar. exserens Hack. in Mart. Fl. Bras.
2:297. 1883: Brazil and México.
Note: by some authors combined with A. microstachyus Desv.
41. A. (Anatherum) elliottii Chapm.
Eastern United States, Cuba, southern México to British Honduras, native.
Pine savannas: Chiapas; San Luis Potosí & Veracruz.
42. A. (Schizachyrium) gaumeri (Nash) Hitchc.
México, endemic.
Brush: Chiapas, Campeche, Yucatán.
43. A. gerardi Vitman
United States to Honduras, native.
Pine forests: Coahuila, Durango, Sinaloa south to Chiapas.
44. A. (Anatherum) glomeratus (Walt.) B.S.P.
Southeastern United States, México, and the West Indies to Panama, native.
Common in open areas throughout México.
45. A. hallii Hack.
North Dakota and Montana south to northern México, native.
Sandy soils: Chihuahua.
46. A. (Schizachyrium) hirtiflorus (Nees) Kunth var. hirtifloru
Southern United States and West Indies to Bolivia and Uruguay, native.
Pine forests and brush: common throughout México.
- 46a. A. (Schizachyrium) hirtiflorus var. feensis (Fourn.) Hack.
Same distribution as the species.
47. Andropogon hirtifolius Presl
native, endemic.
Common in Central México, Jalisco and Guanajuato to Chiapas
48. A. leucostachyus HBK
Southern México and the West Indies to Argentina, native.
Pine forests: Guerrero, Veracruz, Chiapas, Tabasco, Oaxaca, and Campeche.
49. A. (Anatherum) liebmannii Hack.
México, endemic.
Pine forests: Nayarit, Jalisco, Michoacán, Hidalgo, Puebla, México, Veracruz and Oaxaca.
50. A. maderensis Swallen
México, endemic.
Canyons: Coahuila.
51. A. (Schizachyrium) malacostachyus Presl
México to Costa Rica, native.
Rocky hills: Jalisco, Guerrero, Puebla, Oaxaca, Chiapas & Yucatán.
52. A. mexicanus Hitchc.
México, endemic.
Open woods: Nayarit, Jalisco (Tipe Loc.) and Hidalgo south to Chiapas.
53. A. (Schizachyrium) microstachyus Desv.
México and west Indies to Argentina, native.
Pine forests or brush: Sonora, Sinaloa, Jalisco, Tamaulipas San Luis Potosí, Hidalgo, Morelos, Guerrero, Puebla, Veracruz Oaxaca, Tabasco and Chiapas.

54. A. (Schizachyrium) muelleri (Nash) Hitchc.
(a tetraploid variation of A. scoparius)
México, endemic.
Coastal: Veracruz.
55. A. (Schizachyrium) myosurus Presl
México, endemic.
Pine woods: Chihuahua, Durango, Sinaloa, Jalisco, Michoacán, Guerrero, México, and Oaxaca.
56. A. (Anatherum) pringlei Scribn. & Merr.
México, endemic.
Central mountains: Michoacán, México, Puebla, Veracruz, Oaxaca.
57. A. salzmanni (Trin.) Nash
México to Paraguay (Type from Brazil) native.
Brush: Tamaulipas, Veracruz, Oaxaca.
58. Andropogon sanguineus (Retz.) Merr.
Florida, México, West Indies to Argentina, native.
Brush, worldwide in the subtropics.
59. Andropogon schlumbergeri Fourn.
Native, endemic, Durango & San Luis Potosí south to Oaxaca.
60. Andropogon scoparius Michx. var. frequens Hubb.
Eastern U.S.A., common Texas, rare in México.
- 60a. A. scoparius var. littoralis (Nash) Hitchc.
Northeastern coast of E.U.A., Great Lakes area and Texas, eastern coastal México, native.
- 60b. A. scoparius var. neomexicanus (Nash) Hitchc.
Native, western Texas to Arizona and northern México.
61. A. selloanus (Hack.) Hack.
México and West Indies to Argentina, native.
Pine woods: Oaxaca, Veracruz, Campeche and Chiapas.
62. A. (Schizachyrium) semiglabus (Nash) Beetle
México, endemic.
Chihuahua (Type Loc.) "near Colonia García", Nuevo León, Jalisco, México and Chiapas.
63. A. semitectus Swallen
México and Guatemala, native.
Brush: Baja California Sur & Sonora south to Guerrero.
64. A. spadiceus Swallen
México
Coahuila (Type Loc.)
65. A. (Schizachyrium) tener (Nees) Kunth
Southern United States and West Indies south to Argentina, native.
Brush: Sonora and Tamaulipas south to Chiapas.
66. A. tenarius Michx.
Delaware to Kentucky and Kansas, south to Florida and México, native.
Sandy soil: Coahuila.
67. A. virginicus L.
Southern United States and West Indies south to Panama, native.
Pine woods: Coahuila, Nuevo León, Puebla, Veracruz, Oaxaca and Chiapas.

68. Andropogon wrightii Hack.
Native, rocky hills and mesas, southern New México and northern Mexico south to southern Veracruz.
69. A. yucatanus Swallen.
Brush: Yucatan and Campeche.
- ANTHEPHORA Schreb Chlorideae
4 - 5 species in Africa, one in tropical America.
70. A. hermaphodita (L.) Kuntze
Florida (where introduced), West Indies and Mexico south to Peru and Brazil, native.
Brush: Baja California Norte, south to the Yucatán Peninsula.
- ANTHOXANTHUM L. Aveneae
3 - 4 species, European.
71. A. odoratum L.
Introduced.
Occasional in cultivated areas: Hidalgo and Mexico.
- ARISTIDA L. Aristideae
200 species throughout the subtropics of the world.
72. A. adscensionis L. var. adscensionis
Widespread in subtropics of both New and old World, native?
Brush: common throughout northern Mexico
- 72a. A. adscensionis var. abortiva Beetle
California and northern Mexico. native.
Dry washes: Baja Sur, Coahuila, Chihuahua and Durango
- 72b. A. adscensionis var. coarctata (HBK) Kuntze
West Indies and Mexico south to Venezuela, native.
Brush: Jalisco, Tamaulipas, Campeche, Yucatán
- 72c. A. adscensionis var. decolorata (Fourn.) Beetle
Mexico, endemic.
Brush: Baja Sur, Sonora, Guerrero, Oaxaca, Chiapas and Yucatán .
- 72d. A. adscensionis var. interrupta (Cav.) Beetle
Mexico, endemic.
Brush: Coahuila, Nuevo León, Tamaulipas, San Luis Potosí, Veracruz and Oaxaca.
- 72e. A. adscensionis var. modesta Hack.
California and Arizona south to Argentina, native.
Dry washes: northern border states south to Mexico.
- 72f. A. adscensionis var. nigrescens (Presl) Beetle
Mexico, endemic.
Dry washes: Baja Sur and Sonora south to Chiapas.
73. A. arizonica Vasey
Colorado and Texas south to Central Mexico (acc. Henrard), native.
Dry banks: northern border states (except Tamaulipas) south to the central highlands, and Oaxaca.
74. A. barbata Fourn.
Texas to Arizona and central Mexico, native.
Dry banks: northern border states south to Distrito Federal.

75. A. californica Thurb.
Southern California and southwestern Arizona to
Northwestern
Mexico, native.
Dry washes: Baja Norte, Baja Sur and Sonora.
76. A. capillacea Lam.
Mexico to Bolivia and Brazil, native.
Pine forests: Sinaloa, Nayarit and Mexico.
77. A. curvifolia Fourn.
Mexico, endemic.
Pine savanna: Coahuila, Nuevo León, Durango, Zacatecas,
San Luis Potosí and Oaxaca.
78. A. divaricata H. & B.
(including A. palmeri Vasey)
Kansas to southern California south to Mexico.
Dry banks: northern border states south to Oaxaca.
79. A. fendleriana Steud.
North Dakota and Montana, south to Nevada, southern
California and Mexico, native.
Dry banks: Coahuila, Nuevo León and San Luis Potosí.
80. A. floridana (Chapman) Vasey
Florida and Yucatán Peninsula, native.
Brush: Campeche, Yucatán and Quintana Roo.
81. A. fournieriana Hitchc.
Mexico, endemic.
Brush: Veracruz.
82. A. gentilis Henr.
Mexico, endemic.
Pine woods: Sonora, Durango, Zacatecas, Aguascalientes,
Jalisco, Guanajuato, Mexico, Puebla, Oaxaca and Chiapas.
83. A. glabrata (Vasey) Hitchc.
Arizona and Mexico, native.
Dry banks: Sonora, Baja Norte and Baja Sur.
84. A. glauca (Nees) Walp.
Southern California, Nevada and Utah south to Texas and
Mexico native.
Dry banks: All northern border states and south to
Puebla.
85. Aristida gypsophila Beetle
Native, endemic.
Gypsum soils of Coahuila.
86. A. hamulosa Henr.
Southwestern United States to Guatemala, native.
Oak forests: Baja Norte, Sonora, Chihuahua, south to
Chiapas.
87. A. hintoni Hitchc.
Mexico, endemic.
Pine savanna: Tamaulipas, Nayarit, Jalisco, Guanajuato,
Guerrero, Michoacán, Mexico, Guerrero and Oaxaca.
88. A. hitchcockiana Henr.
Mexico, endemic.
Pine savanna: Nayarit, Zacatecas, Guanajuato, Queretaro,
Jalisco, Puebla, Oaxaca (Type loc.).

89. A. jacquiniana Tausch
Mexico to Ecuador, native.
Pine savanna: Jalisco and Guanajuato.
90. A. jaliscana Guzmán & Jaramillo
Mexico, native endemic.
91. A. jorulensis Kunth
Mexico to Panama, native.
Dry banks: Sonora, Sinaloa, Nayarit, Jalisco, Colima, Guerrero, Mexico, Oaxaca, Veracruz and Chiapas.
92. A. lagascae Henr.
Mexican, endemic.
State of Mexico (Type loc.).
93. A. laxa Cav. var. laxa
México, endemic.
Dry banks and dunes: Sonora, Chihuahua, Sinaloa, Nayarit, Jalisco, San Luis Potosí, México, Morelos, Puebla and Oaxaca.
- 93a. A. laxa var. longiramea (Presl) Henr.
Mexico, endemic.
Dry banks: Jalisco to Oaxaca.
- 93b. A. laxa var. Karwinskiana (Trin & Rupr.) Henr.
Mexico, endemic.
Dry banks: Central Mexico.
94. A. liebmanni Fourn.
Mexico, endemic.
Dry banks: Veracruz (Type loc.) Oaxaca and Chiapas.
95. A. longespica Poir.
New Hampshire to Michigan south to Florida, Texas, Mexico, native.
Sandy soil: Tamaulipas, Coahuila, Chihuahua.
96. A. longiseta Steud. var. longiseta
Western U.S. to northern Mexico, native.
Plains: Baja Norte, Sonora, Chihuahua, Coahuila and Nuevo León and Tamaulipas.
- 96a. A. longiseta var. robusta Merr.
Western United States and New Mexico to northern Mexico, native.
Plains: Same ranges the species but more common northward.
97. A. mexicana Scribn.
Mexico, endemic.- reported by Henrard (1929) for Guatemala but not confirmed by Swallen (1955).
Dry banks: Mexico, Distr. Fed. and Puebla.
98. A. orizabensis Fourn.
Mexico to Panama, native.
Brush: Sinaloa, Durango, Jalisco, Guanajuato, Michoacán, Mexico, Guerrero, Tlaxcala, Puebla, Veracruz, Oaxaca, Chiapas.
99. A. pansa Woot. & Standl. var. pansa.
Texas and Arizona south to central Mexico, native.
Plains: Sonora, Chihuahua, Coahuila, Nuevo León, south to Puebla, Oaxaca.
- 99a. A. pansa var. dissita (Johnston) Beetle.
Same distribution as the species.
100. A. parishii Hitchc.
Nevada to California and northern Mexico, native.
Dry washes: Baja Norte.

101. A. peninsularis Hitchc.
Mexico, endemic.
Dunes: Baja California Norte and Sonora.
102. A. purpurascens Poir.
Massachusetts to Wisconsin and Kansas south to
British Honduras, native.
Sandy soil: Coahuila.
103. A. purpurea Nutt.
Arkansas and Kansas to central Mexico, native.
Plains: Coahuila, Nuevo León, Tamaulipas, Durango,
San Luis Potosi, Hidalgo and Puebla.
104. A. purpusiana Hitchc.
Mexico, endemic.
Dry wash: Baja California Sur.
105. A. roemeriana Scheele
Texas and New Mexico to central Mexico, native.
Plains: northern border States (except. Baja California).
Durango, Zacatecas, San Luis Potosi, Puebla and
Yucatán.
106. A. schiedeana Trin. & Rupr.
Mexico and Guatemala, native.
Pine savannas throughout Mexico (except. Yucatan Peninsula)
107. A. scribneriana Hitchc.
Mexico, endemic.
Brush: Durango, Jalisco, Guanajuato, Michoacan, Guerrero.
108. Aristida tenuifolia Hitchc.
Mexico, endemic.
Rocky point, Sulphur Bay. Isla Clarion, Islas Revillagigedo.
109. A. ternipes Cav. var. ternipes
Southwestern United States, West Indies to Colombia, native.
Brush: common throughout Mexico.
- 109a. A. ternipes Cav. var. minor (Vasey) Hitchc.
Same distribution as the species.
110. A. vaginata Hitchc.
Mexico, endemic.
Revillagigedo Islands (Socorro Isld.) type loc.
111. A. wrightii Nash.
Southern California and Colorado, Texas, south to central
Mexico, native.
Plains: Chihuahua, Coahuila, Nuevo Leon, south to Oaxaca.
112. Arrhenatherum elatius (L.) Presl var. bulbosum
(Willd.) Spenner f. striatum (Hubb.) L.B. Smith
Introduced, cultivated as an ornamental.

ARTHRAOXON Beauv.

Andropogoneae

About 20 species in the Old World tropics.

113. A. hispidus (Thunb.) Makino
Introduced.
Brush: Chiapas.
114. Arthropogon villosus Nees
Mexico and Brazil. Introduced or native.
edge of pine woods, Oaxaca.
115. Arthrostylidium venezuelae (Steud.) McClure.
Mexico south to Venezuela.
Reported only for Chiapas.

- ARUNDINELLA Raddi Arundinelleae
 20 species, pantropical.
116. A. berteroniana (Schult.) Hitchc. & Chase
 Mexico to Brazil, native.
 Brush: Sinaloa, Nuevo Leon, Tamaulipas, San Luis Potosi, Jalisco, Colima, Michoacan, Hidalgo, Mexico, Morelos, Puebla, Guerrero, Veracruz, Oaxaca, Chiapas and Tabasco.
117. A. confinis (Schult.) Hitchc. & Chase
 Mexico and West Indies south to Panama, native.
 Dry banks: Sonora, Jalisco, Michoacan, Mexico, Guerrero, Veracruz, Oaxaca, Chiapas and Tabasco.
118. A. deppeana Nees
 Mexico and West Indies south to Brazil, native.
 Pine savanna: Nuevo Leon, Sinaloa, Nayarit, Jalisco, Colima, Michoacan, Guerrero, Hidalgo, Mexico, Puebla, Veracruz, Oaxaca, Chiapas, Tabasco.
119. A. palmeri Vasey
 Mexico, endemic.
 Dry banks: Sonora, Nayarit, Jalisco, Colima, Michoacan, Mexico, Guerrero, Veracruz.
- ARUNDO L. Arundinae
 5 - 6 species, Old World, subtropics.
120. A. donax L.
 Introduced.
 Cultivated and adventive throughout Mexico.
- 120a. Arundo donax L. f. versicolor (Mill.) Beetle
 Introduced, cultivated as an ornamental.
121. Aulonemia laxa (Maekawa)
 Native, central Mexico.
- AVENA L. Aveneae
 About 10 species, Old World, temperate.
122. A. barbata Brot.
 Introduced.
 Coastal hills: Baja Norte.
123. A. fatua L.
 Introduced.
 Common weed throughout Mexico.
124. A. sativa L.
 Introduced.
 Cultivated and an escape, scattered localities from the northern states south to central Mexico.
- AXONOPUS Beauv. Paniceae
 about 80 species, tropical and subtropical, New World.
125. A. affinis Chase
 Southeastern United States, West Indies to Argentina, Native.
 Wet places: Jalisco, Queretaro, Hidalgo, Puebla, Veracruz and Chiapas and Campeche.
126. A. arseni Swallen
 Mexico, endemic.
 Wet places: Colima, Michoacan and Distr. Federal.

127. A. ater Chase
Mexico, endemic.
Wet places: Veracruz.
128. A. centralis Chase
Mexico, endemic.
Wet places: Nayarit, Jalisco and Colima; also Chiapas.
129. A. chrysites (Steud.) Kuhlmann.
Mexico and Central America, native.
Wet places: "Mex. Galeotti" acc. to Black, 1963, Chiapas.
130. A. compressus (Sw.) Beauv.
Pantropical (native).
Wet places: often cultivated, common throughout Mexico
131. A. deludens Chase
Mexico, endemic.
Wet places: Jalisco and Sinaloa
132. A. elongatus Swallen
Mexico and Guatemala, native.
Wet places: Chiapas.
133. A. mexicanus Black
Mexico, endemic.
Wet places: Sinaloa.
134. A. multipes Swallen
Mexico, endemic.
Wet places: Veracruz.
135. A. poiophyllus Chase
Mexico to Honduras, native.
Wet places: Tamaulipas, Veracruz and Chiapas.
136. A. purpusii (Mez) Chase
Mexico to Argentina, native.
Wet places: Veracruz, Oaxaca, Chiapas, Tabasco, Puebla.
137. A. reederi Black
Mexico, endemic.
Wet places: Chiapas.
138. A. rosei (Scribn. & Merr.) Chase
Mexico, endemic.
Wet places: Nayarit.
139. A. scoparius (Flügge) Kuhlmann.
Mexico to Peru (acc. to Black, 1963), native.
Wet places, "Mex. Galeotti 227" (acc. to Black, 1963).

BAMBUSA Schreb.

Bambuseae

100 or more in the Old World tropics and in the
New World tropics as Section Guadua.

140. B. (Guadua) aculeata (Rupr.) Hitchc.
Mexico south to Panama, native.
Tropical forest margin, San Luis Potosi, Veracruz,
Campeche, Guerrero, Puebla, and Oaxaca.
141. B. (Guadua) amplexifolia (Presl) R.T.S.
Mexico to Colombia and Venezuela.
Tropical forest margin, Tamaulipas and San Luis Potosi
south to Chiapas and Tabasco.
142. Bambusa latifolia HBK
Native, Mexico, Trinidad, and northern South America
south to Brazil.
Reported from San Luis Potosi and Veracruz.

143. B. (Guadua) longifolia (Fourn.) McClure
Mexico, endemic.
Thickets, Sonora and Chihuahua south to Chiapas and Campeche.
144. Bambusa paniculata (Munro) Hack.
Native, Mexico and Central America south to Brazil.
Reported from Jalisco, Nayarit, and Veracruz.
145. B. vulgaris Schrad.
Introduced.
Cultivated, scattered localities throughout Mexico.
- 145a. Bambusa vulgaris Schad. f. vittatae (A. & C. Rive.) Beetle
B. vulgaris var. vittata A. & C. Riv. Bull. Soc. Acclim.
III. 5:640. 1878.
Introduced, cultivated as an ornamental.

BLEPHARIDACHNE Hack

Eragrosteae

2 species, North America.

146. B. bigelovii (S.Wats.) Hack.
Texas and northern Mexico, native.
Chihuahuan desert: Coahuila.

BLEPHARONEURON Nash

Eragrosteae

One species, North America.

147. B. tricholepis (Torr.) Nash
Colorado and Utah south to central Mexico, native.
Pine woods: northern border states south to Puebla.

BOTHRIOCHLOA

Andropogoneae

About 30 species, tropic and subtropics of the world.

148. B. alta (Hitchc.) Henr.
Texas and New Mexico, south to Bolivia and Argentina, native
Dry banks: Durango, Zacatecas, San Luis Potosi, Jalisco,
Guanajuato, Queretaro, Oaxaca, Chiapas.
149. B. barbinodis (Lag.) Herter var. barbinodis
California, Colorado and Texas south to central Mexico;
Argentina and Uruguay, native.
- 149a. Bothriochloa barbinodis var. palmeri (Hack.) Gould.
Native, endemic.
Reported from Durango, Zacatecas, Jalisco, Guanajuato,
and Michoacan.
- 149b. B. barbinodis var. perforata (Trin.) Gould
Same distribution as the sp-cies.
150. Bothriochloa bladhi (Retz.) Blake
Introduced.
Reported from Yucatan.
151. B. hyrida (Gould) Gould
Texas and Mexico, native.
Dry banks: Coahuila, Nuevo Leon, & Tamaulipas, San Luis
Potosi, and Oaxaca.
152. B. ischaemum (L.) Keng var. songarica (Rupr.) Cel. & Henr.
Introduced.
Cultivated & escaped: Nuevo Leon, Tamaulipas, Michoacan.
153. B. pertusa (L.) Camus
Introduced.
Dry banks: Tamaulipas, San Luis Potosi, Campeche and
Yucatan.
154. B. reevesii (Gould) Gould
Mexico, endemic.
Dry banks: Coahuila

155. B. saccharoides (Sw.) Rydb. var. saccharoides.
Southwestern United States and West Indies to Argentina,
native.
Dry banks: common throughout Mexico except for the Yucatan
Peninsula.
- 155a. B. saccharoides var. laguroides (DC) Beetle
Same distribution as the species, native.
- 155b. B. saccharoides var. longipaniculata (Gould) Gould
Texas to Panama, native.
Dry banks: Nuevo Leon.
156. B. springfieldii (Gould) Parodi
United States and Mexico, native.
Dry banks: Nayarit.
- BOUPELOUA Lag. Chlorideae
Species about 40 in the Americas.
157. B. alamosana Vasey
Mexico, endemic.
Rocky banks: Sonora (Type loc.) also Zacatecas, Jalisco
Oaxaca & Chiapas.
158. Bouteloua americana (L.) Scribn.
Native, Caribbean and Mexico south to Brazil.
Reported only for the Yucatan Peninsula.
159. B. annua Swallen
Mexico, endemic.
Dry banks: Baja Sur (Type loc.)
160. B. aristidoides (HB) Griseb.
(including B. aristidoides var. arizonica Jones).
Texas to southern California, Mexico and South America,
native.
Dry soils: northern border states south to Oaxaca.
161. B. barbata Lag. var. barbata
Colorado and Utah south to Mexico; Argentina, native.
Dry soils: northern border states south to Oaxaca.
- 161a. Bouteloua barbata var. major (Vasey) Beetle
(B. rothrockii (Cervant) Swallen)
Southern California and Arizona to northern Mexico.
Native: Mesas; Sonora, Chihuahua, Coahuila, Nuevo
Leon, Sinaloa, Durango and Baja Sur, Jalisco.
- 161b. Bouteloua barbata var. sonorae (Griffiths) Gould
Mexico, endemic.
Dry washes: Sonora, Sinaloa and Baja Sur.
162. B. breviseta Vasey
U.S. and Mexico, native.
Dry washes: Chihuahua, Coahuila, Nuevo Leon, Durango,
Zacatecas, San Luis Potosi, and Veracruz.
163. B. chasei Swallen
Mexico, endemic.
Gypsum: Coahuila, Nuevo Leon, Zacatecas and San Luis
Potosi.
164. B. chondrosioides (HBK) Benth.
Texas and Arizona south to Honduras, native.
Rocky slopes: Sonora and Chihuahua northern border
states south to Chiapas.
165. B. curtispindula (Michx.) Torr. var. curtispindula
Canada to central Mexico, native.
Grassland: northern border states south to central
Mexico.

- 165a. B. curtispindula var. caespitosa Gould and Kapadia
U.S. and Mexico; Venezuela to Argentina, native.
Dry banks: northern border states south to Chiapas.
- 165b. B. curtispindula var. tenuis Gould and Kapadia
Mexico, endemic.
Dry banks: Chihuahua south to Chiapas.
166. B. distans Swallen
Mexico, endemic.
Dry banks: Oaxaca (Type loc.); Nuevo Leon
167. B. disticha (Kunth) Benth.
Mexico and West Indies to Peru and Argentina, native.
Dry banks: Nayarit, Jalisco, Michoacan, and Guerrero,
Tamaulipas, Mexico, Oaxaca, Campeche, & Yucatan
168. B. elata J. & C. Reeder
Mexico, endemic.
Rocky cliffs: Nayarit, Jalisco, Colima and Chiapas.
169. B. eludens Griffiths
U.S. and Mexico, native.
Dry banks: Sonora.
170. B. eriopoda (Torr.) Torr.
U.S. and northern Mexico, native.
Dry slopes: Sonora, Chihuahua, Coahuila, Nuevo Leon and
Durango.
171. B. eriostachya (Swallen) Reeder
Mexico, endemic.
Dry banks: Coahuila
172. B. gracilis (HBK) Lag. var. gracilis
U.S. and Mexico; native; South America (introduced).
Grasslands: northern border states to Oaxaca.
- 172a. Bouteloua gracilis var. major (Vasey) Beetle
Native, endemic.
Reported from Aguascalientes, Jalisco, Guanajuato
and Hidalgo.
- 172b. Bouteloua gracilis var. polystachya (Nees) Beetle
Native, endemic.
Central Mexico.
- 172c. Bouteloua gracilis var. stricta (Vasey) Hitchc.
Native, endemic.
Reported from San Luis Potosi, Durango and Chihuahua.
173. B. hirsuta Lag. var. hirsuta
U.S. and Mexico, native.
Thickets: throughout Mexico except for the Yucatan
Peninsula.
- 173a. Bouteloua hirsuta Lag. var. palmeri Vasey
Mexico and Guatemala, native.
Limestone balds: Sonora, Chihuahua and Baja Sur
south to Chiapas.
174. B. johnstonii Swallen
Mexico, endemic.
Gypsum: Coahuila.
175. B. Karwinskii (Fourn.) Griffiths
Mexico, endemic.
Gypsum: Coahuila, Nuevo Leon, Tamaulipas, Zacatecas,
San Luis Potosi and Tamaulipas.

176. B. media (Fourn.) Gould and Kapadia
Mexico, endemic.
Dry slopes: Nayarit, San Luis Potosi, Colima, Michoacan, Veracruz, Mexico, Morelos, Guerrero, Oaxaca and Chiapas.
177. B. parryi (Fourn.) Griffiths var. parryi
New Mexico and Arizona to México, native.
Rocky slopes: northern border states south to Guanajuato.
- 177a. Bouteloua parryi var. gentryi (Gould) Gould
Mexico, endemic.
Dry banks: Durango, Sinaloa (Type loc.).
178. B. pedicellata Swallen
Mexico, endemic.
Rocky slopes: Tlaxcala and Puebla (Type loc.).
179. B. purpurea Gould and Kapadia
Mexico, endemic.
Heavy black soils: central mountains.
180. B. radicata (Fourn.) Griffiths
Southern New Mexico and southern California to Mexico, native.
Dry slopes: northern border states south to Oaxaca.
181. Bouteloua ramosa Vasey
Limestone flats and slopes, Texas and northern Mexico.
Reported from Chihuahua, Durango, Coahuila, Zacatecas, and Nuevo Leon.
182. B. reflexa Swallen
Mexico, endemic.
Dry washes: Sonora, Sinaloa, Baja California Sur and Nayarit.
183. B. repens (HBK) Scribn. & Merr.
(including B. filiformis (Fourn.) Griffiths.
Texas to Arizona, West Indies to Venezuela and Colombia, native.
Dry slopes: common throughout Mexico.
184. B. rigideseta (Steud.) Hitchc.
Oklahoma and Texas and northern Mexico, native.
Grassland: Sonora, Coahuila, Nuevo Leon and Tamaulipas.
185. B. scorpioides Lag.
Mexico, endemic.
Dry flats: Chihuahua and Nuevo Leon south to Puebla, Oaxaca.
186. B. simplex Lag.
Southwestern United States to Argentina, native.
Dry flats: northern border states south to Veracruz and Oaxaca.
187. B. triaena (Trin.) Scribn.
Mexico and Guatemala, native.
Thickets: Coahuila and Sinaloa south to Yucatan, Peninsula.
188. B. trifida Thurb.
Texas to California and northern Mexico, native.
Grasslands: northern border states south to Guanajuato.
189. B. uniflora Vasey var. uniflora.
United States and northern Mexico, native.
Rocky slopes: Nuevo Leon and Coahuila.
190. B. uniflora var. coahuilensis Gould and Kapadia
Mexico, endemic.

Rocky slopes: Coahuila, Nuevo Leon, Tamaulipas, Zacatecas, San Luis Potosi, and Aguascalientes.

191. B. williamsii Swallen
Mexico to Honduras, native.
Rocky slopes: Zacatecas, Nayarit, Jalisco, Guerrero, Oaxaca and Chiapas.
- BRACHIARIA Griseb. Paniceae
About 15, tropics and subtropics of the world.
192. Brachiaria arizonica (Scribn. & Merr.) Black
U.S. and Mexico, native.
Sandy soil: Baja California, Sonora, Chihuahua and Coahuila, Sinaloa, Durango, Oaxaca and Chiapas.
- 192a. Brachiaria arizonica var. major (Vasey) Beetle
Nativa. endemic.
Reported for Chihuahua and Sinaloa.
193. Brachiaria brizantha (Hochst.) Stapf.
Introduced, cultivated
Reported from Puebla and Yucatan.
194. B. ciliatissima (Buckl.) Chase
Arkansas, Oklahoma, Texas and Mexico, native.
Sandy soils: Tamaulipas and Nuevo Leon.
195. Brachiaria distachya (L.) Stapf
Introduced, cultivated or escaped.
Reported from Nuevo Leon, Jalisco, Veracruz and Yucatan.
196. Brachiaria fasciculata (Sw.) Parodi var. fasciculata
U.S., Wets Indies, Mexico south of Brazil, native.
weedy, common throughout Mexico.
- 196a. Brachiaria fasciculata var. reticulata (Torr.) Beetle
Same distribution as var. fasciculata.
197. B. meziana Hitchc.
Mexico, endemic.
Sandy soils: Chihuahua, to Tamaulipas and south to Oaxaca.
198. Brachiaria mollis (Sw.) Parodi
Mexico and West Indies south to Argentina, native.
coastal plain: Sinaloa south to Chiapas, Veracruz to Yucatan, native.
199. Brachiaria mutica (Forsk.) Stapf
Pantorpica (introduced in the Americas)
Cultivated and escaped, grown throughout Mexico.
200. B. ophyroides Chase
Mexico, endemic.
Sandy soils: Tamaulipas and Nuevo Leon.
201. B. plantaginea (Link) Hitchc.
United States (where introduced); Mexico to Bolivia and Brazil, native.
Sandy soils: Durango to Tamaulipas and south to Chiapas.
202. B. platyphylla (Griseb.) Nash
U.S., Cuba and Mexico, native.
Wet places: reported for Mexico by Gould (1975).

203. Brachiaria texana (Buckl.) Black
U.S. and Mexico, native.
Weedy, Nuevo Leon and Tamaulipas.
- BRACHYPODIUM Beauv. Festuceae
About 15 species in the Old World; two in subtropical America.
204. Brachypodium distachyon (L.) Beauv.
205. Brachypodium latifolium Fourn.
Native, endemic.
Reported from Jalisco, Mexico, Veracruz and Oaxaca.
206. B. mexicanum (R. & S.) Link
Mexico to Bolivia, native.
Dry banks: common from Baja California Sur to Tamaulipas and south to Chiapas.
- 206a. Brachypodium mexicanum var. inerme Beetle
Native, endemic.
Reported from Nuevo Leon and Tamaulipas.
207. B. pringlei Scribn.
Mexico, endemic.
Dry banks: Coahuila, Nuevo Leon, and Tamaulipas.
- BRIZA L. Festuceae
Three annuals in the Old World; about 15 New World. perennials.
208. B. minor L.
Introduced.
Roadsides: Jalisco, Mexico, Puebla and Veracruz
209. B. subaristata Lam.
Mexico and Guatemala, native.
Pine savanna: Nuevo Leon and Tamaulipas south to Chiapas.
- BROMUS L. Brachypodeae
About 100 species, temperate zone world-wide.
210. B. anomalus Rupr.
United States and Mexico, native.
Pine savanna: northern border states south to Veracruz and Oaxaca.
211. Bromus arenarius Labill.
Introduced from Australia.
sandy roadside, reported only from Baja California Norte
212. B. arizonicus (Shear) Stebbins
United States and Mexico, native.
Dry washes: Nuevo Leon and Baja Norte and Sonora.
213. B. attenuatus Swallen
Mexico, endemic.
Pine savanna: Nuevo Leon and Hidalgo.
214. B. carinatus H. & A.
United States to central America, native.
Pine savanna: common throughout Mexico.
215. B. ciliatus L.
Canada and United States south to northern Mexico, native.
Pine savanna: Baja Norte, Sonora, Chihuahua, Nuevo Leon, Zacatecas and Jalisco.
216. B. densus Swallen
Mexico, endemic.
Pine savanna: Coahuila, Nuevo Leon and Tamaulipas

217. B. diandrus Roth
Introduced.
Roadsides: Baja Norte, Puebla.
218. B. dolichocarpus Wagnon
Mexico, endemic.
Pine savanna: Colima, Jalisco, Michoacan, Hidalgo,
Mexico, Morelos and Oaxaca.
219. Bromus exaltatus Bernh.
Southern Mexico to Panama, native.
Jalisco and San Luis Potosi south to Chiapas.
220. Bromus inermis Leyss.
Introduced and cultivated.
Experimental plots. e.g. in Coahuila.
221. B. lanatipes (Shear) Rydb.
(including B. pinetorum Swallen)
U.S. and northern Mexico, native.
Pine savanna: Coahuila.
222. Bromus madritensis L.
Introduced from the Mediterranean Region.
Reported only for Baja California Norte.
223. B. marginatus Nees
Canada to northern Mexico, native.
Pine savanna: Nuevo Leon, Sonora, and Baja California
Norte.
224. B. meyeri Swallen
Mexico, endemic.
Pine savanna: Nuevo Leon.
225. B. mollis L.
Introduced.
Dry hills: Baja California Norte.
226. B. mucroglumis Wagnon
(including B. thysanoglottis Soderstrom & Beaman).
Mexico, endemic.
Pine savanna: Chihuahua, Durango and Baja California
Sur, Coahuila, Nuevo Leon.
227. B. porteri (Coulter) Nash
Canada to Mexico, native.
Pine savanna: northern border states south to
Chiapas and Campeche.
228. B. rubens L.
Introduced.
Dry hills: Baja California Norte.
229. Bromus sterilis L.
Introduced from the Mediterranean Region.
Reported only for Baja California Norte.
230. B. tectorum L. and var. glabratus Spenner.
Introduced.
Dry hills: Baja California Norte, and Chihuahua.
231. b. urinii Desv.
California and northern Mexico; Chile, native.
Coastal hills: Baja California Norte.

232. B. unioloides HBK.
Introduced.
Ditches and cultivated: Chihuahua, Coahuila, Nuevo Leon, San Luis Potosi, Hidalgo and Mexico.
233. B. willdenowii Kunth var. willdenowii
Introduced.
Ditches and cultivated: northern border states south to Chiapas.
- 233a. Bromus willdenowii Kunth var. lasiophyllus (Goiran.)
Beetle
Introduced.
- BUCHLOE Engelm. Chlorideae
One species in North America.
234. B. dactyloides (Nutt.) Engelm.
Grassland: northern border states south to central mountains.
- BUCHLOMINUS R. & R. Chlorideae
One, endemic to Mexico.
235. B. nervatus (Swallen) R. & R.
Mexico, endemic.
Hidalgo and Mexico.
- CALAMAGROSTIS Adans. Agrostideae
About 150 species, temperate, worldwide.
236. C. erectifolia Hitchc.
Jalisco, endemica.
- 236a. C. eriantha (HBK) Steud.
Mexico, endemic.
Pine savanna: Mexico, Puebla, Veracruz and Oaxaca.
237. C. intermedia (Presl) Steud.
Native, Mexico to Peru.
Reported only from the State of Mexico.
238. C. junciformis (HB) Steud.
Mexico and Guatemala, native.
Mountain slopes: "Nevado de Toluca", type loc.
239. C. orizabae (Rupr.) Steud.
Mexico, endemic.
Mountain slopes: "Mount Orizabae", type loc.
240. C. pringlei Beal
Mexico (endemic; closely related to C. guatemalensis Hitchc.)
Mountain slopes: Chihuahua, Nuevo Leon, Jalisco, Hidalgo, & Michoacan.
241. C. rigescens (Presl) Scribn.
Native, Mexico and South America.
Reported only from Cofre de Perote, Veracruz.

242. C. toluicensis (HB)Trin.
Mexico, endemic.
Mountain slopes: central mountains.
243. C. valida Sohns
Mexico, endemic.
Mountain slopes: Jalisco.
244. C. vulcanica Swallen
Mexico and Guatemala.
Mountain slopes: "Vulcan Tacana" Michoacan is in Chiapas".

CATHESTECUM Presl

Chlorideae

Species six, North and Central America.

245. C. brevifolium Swallen
Mexico and Central America, native.
Dry slopes: Sonora and Chihuahua south to Chiapas.
246. C. erectum Vasey and Hack.
Texas to Arizona and adjacent Mexico, native.
Dry slopes: Chihuahua.
247. C. prostratum Presl
Mexico, endemic.
Dry slopes and flats: Queretaro, Jalisco, Morelos, Puebla, Guerrero and Oaxaca.
248. C. varium Swallen
Mexico, endemic.
Dry slopes: Puebla, Oaxaca and Jalisco.

CENCHRUS L.

Paniceae

Species about 20, worldwide.

249. C. brownii R. & S.
Florida and West Indies to Bolivia and Brazil, native.
Sandy soil: Baja Sur and Nayarit; Nuevo Leon and Tamaulipas; south to the Yucatan Peninsula.
250. C. ciliaris L.
Introduced? (closely related to C. multiflorus Presl which is said to be native).
Ditches and cultivated: common throughout Mexico.
251. C. echinatus L.
Southern United States, West Indies to Argentina, native.
Ditches: common throughout Mexico.
252. C. incertus Curtis
Southern United States, West Indies to South America, native.
Ditches: common throughout Mexico.
253. C. longispinus (Hack.) Fernald
United States and West Indies to Venezuela, native.
Ditches: Sonora, Durango, Tamaulipas and Campeche, Guanajuato, Michoacan & Oaxaca.
254. C. multiflorus Presl
Native? (closely related to C. ciliaris L. which is said to be introduced); also in Central America.
Dry flats: southern Sonora and southern Chihuahua south along the west coast of Mexico to Chiapas.

255. C. myosuroides HBK
Florida and West Indies south to South America, native.
Northern border states south to Veracruz and Oaxaca.
256. C. palmeri Vasey
Mexico, endemic.
Sandy soils: Baja Norte, Baja Sur and Sonora (Tipe loc.)
Sinaloa.
257. C. pilosus HBK
Mexico south to Peru, native.
Dry slopes: Nayarit, Jalisco, Colima south and east
to Yucatan.

CHABOISSAEA Fourn.

Eragrosteae

- One species, endemic.
258. C. ligulata Fourn.
Mexico, endemic.
Dry slopes: Chihuahua south to Mexico
259. C. bromoides (Presl) Benth.
Mexico and Central America, native.
Dry slopes: Chihuahua south to Campeche.
260. Chasmanthium latifolium (Michx.) Yates
U.S.A. and Mexico, native.
Nuevo Leon, Veracruz, dunas costeras.

CHLORIS Sw.

70 species, subtropics, worldwide.

261. C. andropogonoides Fourn.
Texas and northern Mexico, native
Ditches: Coahuila, Nuevo Leon, Tamaulipas and San Luis
Potosi.
262. C. aristata (Cervantes) Swallen
Mexico and Central America, native.
Coahuila, Nuevo Leon, south to Chiapas.
263. C. brandegei (Vasey) Swallen
Mexico, endemic.
Arroyos: Baja California Norte and Baja California Sur.
264. C. chloridea (Presl) Hitchc.
U.S. and Mexico to Central America, native.
Dry slopes: Baja California and Sonora south to
Chiapas; Nuevo Leon, Tamaulipas, San Luis Potosi
south to Chiapas.
265. C. ciliata Sw.
U.S., West Indies and Mexico to Argentina, native.
Grassland: Coahuila, Nuevo Leon, Tamaulipas south
to Yucatan Peninsula.
266. C. c. inita Lag.
Texas south to Argentina, native.
Dry washes: Sonora, Chihuahua, Coahuila, Nuevo Leon,
Baja California Sur, Durango and San Luis Potosi.
267. C. cucullata Bisch.
Texas and northern Mexico, native.
Ditches: Coahuila, Nuevo Leon and Tamaulipas.

268. Chloris dandyana Adams.
Native, subtropics of North and South America.
Scattered localities throughout Mexico.
269. C. gayana Kunth
Introduced.
Cultivated and escaped: scattered locations
throughout Mexico.
270. C. inflata Link
Pantropical and subtropics, introduced.
Dry washes: Sonora, Chihuahua, Nayarit, Jalisco,
Tamaulipas, Veracruz and the Yucatan Peninsula.
271. C. pluriflora (Fourn.) Clayton
Texas, Mexico, Central and South America, native.
Dry washes: Coahuila, Nuevo Leon, Tamaulipas, San
Luis Potosi, Jalisco, Michoacan, Oaxaca, Campeche.
272. C. radiata (L.) Sw.
West Indies and Mexico to Paraguay, native.
Ditches: Nuevo Leon, Chihuahua, San Luis Potosi,
Guanajuato, Colima, Veracruz and Oaxaca.
273. C. subdolichostachya Muller
Texas and northern Mexico, native.
Sandy soils: Coahuila, Nuevo Leon and Tamaulipas.
274. C. submutica HBK
Mexico, endemic.
Dry washes: common from the northern border states
south to Chiapas.
275. C. verticillata Nutt.
United States to northern Mexico, native.
Plains: reported only from Coahuila.
276. C. virgata Sw.
Pantropical, native. (U.S., West Indies south to
Argentina).
Ditches: common throughout Mexico.

CHUSQUEA

Bambuseae

- About 100 species in the Americas.
277. C. bilimeki Fourn.
Mexico, endemic.
Thickets: San Luis Potosi, Mexico and Veracruz.
278. C. carinata Fourn.
Mexico, endemic.
Thickets: Veracruz.

279. C. circinata Soderstrom & Calderon
Reported from Jalisco Michoacan (Type loc.) and Jalisco.
280. C. coronalis Soderstrom & Calderon
Subtropics, Mexico.
281. C. galeottiana Rupr.
Mexico, endemic.
Thickets: Guerrero, Oaxaca (Type loc.) and Chiapas.
282. C. lanceolata Hitchc.
Reported for Chiapas.
283. C. liebmannii Fourn.
Mexico, endemic.
Thickets: Sinaloa, Oaxaca (Type loc.) and Chiapas.
284. C. longifolia Swallen
Southern Mexico to Panama, native.
Thickets: Sinaloa to Chiapas along the West Coast.
285. C. muelleri Munro
Mexico, endemic.
Tickets: Veracruz.
286. C. nelsonii Scribn. & Smith
Mexico, endemic.
Thickets: Guerrero (Type loc.).
287. C. pittieri Hack.
Chiapas, Guerrero.
288. C. serrulata Pilger
Mexico, endemic.
Thickets: Chiapas.
289. C. simpliciflora Munro
Mexico and Guatemala, native.
Thickets: "Mexico" according Swallen: Grasses of Guatemala.
290. C. spinosa Fourn.
Mexico, endemic.
Thickets: Puebla.
291. C. sulcata Swallen
Mexico, endemic.
Thickets: Chiapas.

CINNA L.

Agrostideae

3 species, one in N. America and Eurasia, one in N. Am. and one in Mexico south to South America.

292. C. poaeformis (HBK) Scribn. & Merr.
Mexico, Costa Rica, Panama, Colombia, Venezuela, Peru, native.
Pine savanna: Hidalgo, Mexico, Morelos, Puebla, Veracruz, Oaxaca, Chiapas.

COELORACHIS Brongn.

Andropogoneae

Tropics of the World, about 25 species.

293. C. ramosa (Fourn.) Nash
Mexico to Panama and Colombia, native.
Ditches: Michoacan, Mexico, Veracruz, Chiapas, Tabasco and Campeche.

- COIX L. Andropogoneae
 4 in the Old World tropics.
294. C. lacryma-jobi L.
 Introduced.
 Cultivated and escaped: scattered localities throughout Mexico, Coahuila, Nuevo Leon, Veracruz, Oaxaca, Chiapas, Tabasco and Yucatan.
- CORTADERIA Stapf Arundinae
 15 species in South & America.
295. C. seloana (Schult.) Aschners. & Graebn.
 Introduced.
 Cultivated as an ornamental: throughout Mexico.
- COTTEA Kunth Pappophoreae
 One species, New World.
296. C. pappophoroides Kunth
 Bicentric: U.S. and Mexico; Ecuador to Peru and Argentina, native.
 Dry slopes: northern border states south to Oaxaca.
- CRYPTOCHLOA Swallen Olyreae
 4 species in Mexico, Central and South America.
297. C. gramulifera Swallen
 Mexico to Ecuador, native.
 Tropical forest: Veracruz and Chiapas.
298. C. strictiflora (Fourn.) Swallen
 Mexico, endemic.
 Tropical forest: Veracruz.
- CTENIUM Panzer Chlorideae
 20 species, world tropics.
299. C. planifolium (Presl) Kunth
 Mexico, endemic.
 Brush: Oaxaca and Chiapas.
300. C. plumosum (Hitchc.) Swallen
 Mexico, endemic.
 Brush: Sinaloa and Nayarit, Jalisco.
- CYCLOSTACHYA Reeder and Reeder Chlorideae
 One species in Mexico.
301. C. stolonifera (Scribn.) Reeder and Reeder
 Mexico, endemic.
 Dry flats: Zacatecas, San Luis Potosi, Aguascalientes, Hidalgo and Mexico.
- CYMBOPOGON Spreng. Andropogoneae
 About 60 species in the Old World tropics.
302. C. citratus (DC) Stapf
 Introduced.
 Persistent after cultivation: Nuevo Leon, Jalisco, Veracruz, Oaxaca, Chiapas, Tabasco and Yucatan.

303. *C. nardus* (L.) Rendle
 Introduced.
 Persistent after cultivation: Nuevo Leon, Oaxaca
 and Yucatan.
- CYNODON L. Rich. Chlorideae
 6 species, one pantropical, others African.
304. *C. dactylon* (L.) Pers.
 Pantropical, native.
 Common throughout Mexico.
305. *C. dactylon* (L.) Pers. f. vivipara Beetle
 Found in Tamaulipas.
306. *C. nlemfuensis* Vanderyst
 Introduced from Africa, cultivated and escaped.
 Reported from Veracruz and Yucatan.
307. *C. plectostachyum* (Schum.) Pilger
 Introduced.
 Persistent after cultivation: scattered localities
 throughout Mexico.
- DACTYLIS L. Festuceae
 About 5 species, temperate, Old World.
308. *D. glomerata* L.
 Introduced.
 Persistent after or escaped from cultivation: Coahuila,
 San Luis Potosi, Veracruz, Mexico, Puebla, Oaxaca
 and Chiapas.
- DACTYLOCTENIUM Willd. Chlorideae
 13 Old World species, subtropical.
309. *D. aegyptium* (L.) Willd.
 Introduced.
 Common weed throughout Mexico.
- 309a. *Dactyloctenium aegyptium* f. vivipara Beetle
 Found in Sonora.
310. *Dactyloctenium aristatum* Link
 A seashore grass introduced from Africa.
 Reported from Yucatan.
311. *Dactyloctenium geminatum* Hack.
 Introduced from Africa.
 Reported from Guerrero, Campeche and Quintana Roo.
312. *Dactyloctenium scindicum* Boiss.
 Introduced from Africa.
 Coastal, Baja California Sur and Yucatan.
- DANTHONIA Lam. & DC. Danthoneae
 100 species, temperate, worldwide.
313. *D. filifolia* Hubbard
 Mexico, endemic.
 Pine savanna: Puebla (Type loc.) and Chiapas.
314. *D. spicata* (L.) Beauv.
 Canada to northern Mexico, native.
 Reported from Coahuila and Veracruz.

- DESCHAMPASIA Beauv. Aveneae
 50 species, temperate, worldwide.
315. *D. danthonioides* (Trin.) Munro
 Alaska to Baja California: Chile, native.
 Moist places: Baja Norte only.
316. *D. elongata* (Hook.) Munro
 Alaska to central Mexico; Chile, native.
 Mt. slopes: Jalisco, Hidalgo, Mexico, Morelos and Veracruz.
317. *D. flexuosa* (L.) Trin.
 Amphiatlantic, south in mountain to Mexico, native.
 Mountain slopes: Chihuahua, Nuevo Leon and Durango.
318. *D. liebmanniana* (Fourn.) Hitchc.
 Mexico, endemic.
 Central mountains: Jalisco Michoacan, Mexico and Puebla.
319. *D. straminea* Hitchc.
 Mexico, endemic.
 Central mountains: Mexico and Puebla.
- DICHANTHIUM Willemet Andropogoneae
 10 species, Old World subtropics.
320. *D. annulatum* (Forsk.) Stapf
 Introduced.
 Cultivated and escaped: Chihuahua, Chiapas, San Luis Potosi and Quintana Roo.
321. *D. aristatum* (Poir.) C.E. Hubb.
 Introduced.
 Cultivated and escaped: Nuevo Leon and Tamaulipas.
322. *D. sericeum* (R.Br.) Camus
 Introduced.
 Cultivated and escaped: Sonora, Tamaulipas.
- DIECTOMIS HBK Andropogoneae
 all species in the Americas.
323. *D. angustata* Presl
 Native, Mexico, Central America and northern South America.
 Reported from Chiapas.
324. *D. fastigiata* (Sw.) HBK.
 Pantropical, native.
 Thickets: Tamaulipas, Sonora, Sinaloa, Nayarit, Jalisco, Colima, Michoacan, Mexico, Morelos, Guerrero, Oaxaca, Chiapas.
325. *D. laxa* Nees
 Cuba and Mexico, south to northern Brazil, native.
 Pine savanna: Sinaloa south to Chiapas, Guerrero.
- DIGITARIA Heist. Paniceae
 300 species, worldwide, temperate and tropical.
326. *D. badia* (Scribn. & Merr.) Fernald
 Reported for Sierra de San Felipe, Oaxaca and Jalisco.
327. *D. bicornis* (Lam.) R. & S.
 Pantropical, introduced?
 Mexico, a common weed at lower elevations.
328. *D. biformis* Willd.
 Introduced from Asia.
 Disturbed land, throughout Mexico.
- 328a. *D. biformis* Willd. var. *chrysoblepharis* (Fig. & D. Not.)
 Beetle.

329. D. californica (Benth.)Henr.
U.S. south to Bolivia and Argentina.
Dry slopes: northern border states south to Puebla.
330. D. cayoensis Swallen
Mexico and British Honduras.
Brush: Yucatan and Chiapas.
331. D. ciliaris Retz.
Pantropical, native.
Common weed throughout Mexico.
332. D. curtigluma Hitchc.
Mexico to Panama.
Brush: Jalisco, Michoacan, Mexico, Puebla, Oaxaca and Chiapas.
333. D. distans (Chase)Fernald
Mexico, endemic.
Pond margin: Jalisco.
- 333a. D. filiformis (L.)Koel. E.U.A. & Mexico, native.
334. D. hitchcockii (Chase)Stuckert
Texas and New Mexico, native.
Dry slopes: Coahuila, Nuevo Leon, Tamaulipas and San Luis Potosi, also Oaxaca.
335. D. horizontalis Willd.
Pantropical, native?
Weedy: Sinaloa, Nayarit, Jalisco, Colima, Michoacan, Nuevo Leon, Tamaulipas, San Luis Potosi, Veracruz, Guerrero, Oaxaca, Chiapas, Yucatan and Quintana Roo.
336. D. insularis (L.)Mez
United States, Mexico, West Indies south to Argentina, native.
Brush: common throughout Mexico except for Baja California and central mountains.
337. D. leucites (Trin.)Henr. var. leucites
Mexico and Guatemala, native.
Dry banks: Nuevo Leon, San Luis Potosi, Jalisco, Michoacan, Mexico, Morelos, Puebla, Veracruz and Chiapas.
338. D. leucites var. glabella (Chase)Henr.
Mexico, endemic.
Dry banks: Veracruz and Michoacan.
339. D. leucocoma (Nash)Urban
Florida, West Indies and Mexico, native.
Dry banks: Mexico and Veracruz.
- 339a. D. obtusa Swallen
Southern Mexico to Guatemala, native.
Dry banks: Morelos, Veracruz, Oaxaca and Chiapas.
340. D. panicea (Sw.) Urban
Eastern United States south to Mexico, native.
Weedy: Chihuahua, Coahuila, Durango, Zacatecas, Jalisco, Oaxaca and Chiapas.
341. D. patens (Swallen)Henr.
Texas and northern Mexico, native.
Sandy soil: Sonora, Coahuila and Nuevo Leon.

342. D. pentzii Stent. var. minor Stent.
Introduced.
Persistent after cultivation: Tamaulipas, San Luis Potosi, Queretaro, Nayarit, Veracruz, Tabasco, Chiapas and Campeche.
343. D. sanguinalis (L.) Scop.
Pantropical, native ?
Scattered localities in northern Mexico south to Queretaro.
344. D. similis Beetle
Native, Mexico and West Indies.
Reported from Tamaulipas.
345. D. ternata (Rich.) Stapf
346. D. violascens Link
Pantropical, native?
Weedy: Chiapas.

DISSANTHELIUM Trin.

Aveneae

347. D. californicum (Nutt.) Benth.
Islands off the coast of California and Baja California, native.
Dry slopes: Baja California acc. to Hitchcock.
348. D. mathewsii (Ball) Foster & Smith
Bicentric: Mexico and Chile, native.
Dry slopes: Mexico and San Luis Potosi.

DISTICHLIS Raf.

Eragrosteae

- 6 species in the Americas.
349. D. palmeri (Vasey) Fassett
Coastal Salt Marshes, native, endemic.
Baja California Norte and Sonora.
350. D. spicata (L.) Greene var. spicata
Coastal, Canada and U.S. to Central America, native.
Salt marshes: Tamaulipas, Veracruz, Tabasco, Yucatan, Quintana Roo and Chiapas and Oaxaca.
351. D. spicata var. divaricata Beetle
California and Mexico, native.
Western salt deserts: Coahuila, San Luis Potosi and Jalisco west to Baja California.
352. D. spicata var. mexicana Beetle
Mexico, endemic.
Central plains: alkaline soils, Durango and Coahuila south to Puebla.
353. D. spicata var. stolonifera Beetle
California and Mexico, native.
West coast salt flats: Baja Norte and Sonora and Jalisco.
354. D. spicata var. stricta (Torr.) Beetle.
U.S. and Mexico.
Interior salt flats: northern border states south to Puebla.

- ECHINOCHLOA Beauv. Paniceae
 20 species, subtropics and temperate, worldwide.
355. E. colonum (L.) Link
 Pantropical, introduced?
 Moist places: common throughout Mexico
- 355a. E. colonum f. vivipara Beetle
356. E. crusgalli (L.) Beauv.
 Europe, U.S., Mexico. Introduced?
 Weedy: occasional throughout Mexico.
357. E. cruspavonis (HBK) Schult.
 Subtropics of the world, introduced?
 Wet places: occasional throughout Mexico.
358. E. holciformis (HBK) Chase
 Mexico and Guatemala, native.
 Wet places: Coahuila & Durango south to Mexico.
- 358a. E. jaliscana McVaugh
 endemic to central Mexico.
359. E. muricata (Beauv.) Fern.
 U.S. and northern Mexico, native.
 Wet places: Sonora and Chihuahua.
360. E. oplismenoides (Fourn.) Hitchc.
 Mexico, endemic.
 Wet places: Chihuahua, Durango, Zacatecas and Mexico.
361. E. polystachya (HBK) Hitchc.
 Wet places: Sonora and Chihuahua, south to Campeche.
362. E. pyramidalis (Lam.) Hitchc. and Chase
 Introduced.
 Wet places: Campeche.
363. E. walteri (Pursh) Heller
 U.S., Cuba, Mexico and Guatemala, native.
 Wet places: Chihuahua, Coahuila, San Luis Potosi,
 Tabasco, Campeche.

ECHINOLAENA Desv.

364. E. gracilis Swallen
 Reported for Tabasco.

ELEUSINE Gaertn.

Chlorideae

Species about six, South America and Old World.

365. E. indica (L.) Gaertn. var. indica
 Introduced.
 Weedy: common throughout Mexico.
366. E. indica var. brachystachya Trin.
 (including the cultivated E. corocana (L.) Gaertn.)
 Introduced.
 Weedy: Chihuahua, Jalisco, Michoacan, Mexico, Morelos
 and Yucatan.
367. E. multiflora Hochst. ex A. Rich.
 Introduced.
 Weedy: Scattered localities Chihuahua south to Chiapas.

ELYMUS L.

Hordeae

75 species in temperate parts of the northern hemisphere.

368. E. canadensis L. var. canadensis
 United States and northern Mexico, native.
 Dry banks: Chihuahua, Coahuila and Nuevo Leon.

369. E. canadensis var. interruptus (Buhl.) Church
E.U.A. and northern Mexico, native.
Dry banks : Nuevo Leon, San Luis Potosi, Queretaro.
370. E. condensatus Presl
California and Baja California, native.
Coastal bluffs: Baja Norte.
371. E. glaucus Buckl.
Western N. America from Alaska to Baja California.
Open woods and meadows; reported for Baja Calif. Norte.
372. E. pringlei Scribn. & Merr.
Mexico, endemic.
Dry banks: Coahuila, Nuevo Leon, San Luis Potosi,
Queretaro, Hidalgo, Mexico, Puebla and Veracruz.
373. E. triticoides Buckl.
Washington and Montana south to Baja California, Arizona
and Texas, native.
Coastal bluffs: Baja California Norte and Tamaulipas.
- ELYONURUS Humb. & Bonpl. Andropogoneae
Species about 15, subtropical and tropical, worldwide.
374. E. muticus (Spr.) Ktze. var. parviflorus (Scribn.) Beetle
U.S. and northern Mexico, native.
Grasslands: Sonora, Chihuahua and Durango, Nayarit,
Guanajuato, Queretaro.
375. E. tripsacoides Humb. & Bonpl. var. tripsacoides
Mexico to Brazil, native.
Grasslands: Sinaloa, Michoacan and Veracruz.
376. E. tripsacoides var. sericeus Hack.
Mexico, endemic.
Rare: Veracruz common, Chihuahua south to Chiapas.
- ENNEAPOGON Desv. Eragrosteae
35 species in the Old World, one in the Americas.
377. E. desvauxii Beauv.
U.S. south to Peru and Argentina, native.
Grasslands: northern border states south to Oaxaca.
- ERAGROSTIS Host. Eragrosteae
200 species, temperate and tropical, worldwide.
378. E. acutiflora (HBK) Nees
Mexico to Brazil, native.
Pine savanna: Western slope.
379. E. atrovirens (Desf.) Steud.
Introduced.
Tabasco & Chiapas.
380. E. bahiensis Schrad.
Mexico, Guatemala, Brazil, native.
Wet places: Chiapas and Tabasco.
381. E. barrelieri Dav.
Introduced.
Scattered localities throughout Mexico.
382. E. capillaris (L.) Nees.
Eastern United States and northern Mexico.
Open woods, reported from tamaulipas.
383. E. chloromelas Steud.
Introduced.
Grown experimentally in Coahuila.

384. E. cilianensis (All.) Link
Introduced.
Scattered localities throughout Mexico.
385. E. ciliaris (L.) R.Br. var. ciliaris
Pantropical, introduced.
Weedy: common throughout Mexico.
386. E. ciliaris var. laxa Kuntze
West Indies and Mexico, native.
Reported for Yucatan and Baja California.
387. E. contrerasii Pohl
Planicies lodosas, Mexico and Guatemala.
Reported from Campeche.
388. E. curtipedicellata Buckl.
U.S. to northern Mexico, native.
Sandy soil: Coahuila and Nuevo Leon.
389. E. curvula (Schrad.) Nees
Introduced.
Cultivated: Scattered location, Chihuahua, Coahuila, Nuevo Leon, south to Mexico.
390. E. ellioitti S. wats.
U.S., West Indies, Mexico and Honduras, native.
Pine savanna: Tamaulipas, Michoacan, Veracruz, Oaxaca, Chiapas and Quintana Roo.
391. E. erosa Scribn.
U.S. and northern Mexico, native.
Dry slopes: Sonora, Chihuahua, Coahuila and Nuevo Leon.
392. E. excelsa Griseb.
West Indies and Mexico, native.
Dunes, Tamaulipas, Veracruz and Quintana Roo.
393. E. glandulosa Harvey
Mexico and Guatemala, native.
Weedy: Jalisco, Guerrero and Morelos.
394. E. glomerata (Walt.) L.H. Dewey
U.S., Mexico south to Argentina, native.
Wet sandy soil: Colima, Guerrero and Morelos.
395. E. guatemalensis Witherspoon
Mexico and Guatemala, native.
Oak-pine forest, Mexico and Puebla.
396. E. hirsuta (Michx.) Nees
Southeastern U.S., Mexico to Central America, native.
Pine savanna, Oaxaca, Chiapas and Tabasco.
397. E. hirta Fourn. var. hirta
Mexico and Central America, native.
Rocky slopes: Chiapas.
398. E. hirta var. longiramea (Swallen) Witherspoon
Mexico, endemic.
Mountains, Tamaulipas, Nuevo Leon and San Luis Potosi.
399. E. hypnoides (Lam.) B.S.P.
U.S. and West Indies, south to Argentina, native.
Wet, sandy soil: Baja California Sur, Sonora, Tamaulipas and San Luis Potosi, Guanajuato, Guerrero, Oaxaca, Chiapas, Veracruz, Tabasco.
400. E. intermedia Hitchc. var. intermedia
U.S., Mexico and Guatemala, native.
Rocky slopes: common throughout Mexico.
401. E. intermedia var. appressa Witherspoon
Mexico, endemic.
Juniper oak forest, border Zacatecas-Jalisco.

402. E. intermedia var. oreophila (Harvey) Witherspoon
Mexico, endemic.
Rocky slopes: Baja California Sur, Coahuila, Nuevo Leon, Michoacan, and Hidalgo (Type loc.)
403. E. intermedia var. praetermissa (Harvey) Witherspoon
Mexico and Central America.
Pine oak forests, Tamaulipas, San Luis Potosi, Jalisco, and Mexico.
404. E. lehmanniana Nees
Introduced.
Cultivated: Sonora, Chihuahua, Coahuila.
405. E. lugens Nees
United States and Mexico south to Argentina, native.
Dry slopes: northern border states south to Chiapas.
406. E. maypurensis (HBK) Steud.
Mexico to Bolivia and Brazil, native.
Weedy: Sinaloa and Durango south to Chiapas.
407. E. mexicana (Hornem.) Link var. mexicana
U.S. and Mexico south to Brazil, native.
Pine savanna: northern border states south to Chiapas.
408. E. mexicana var. pygmaea Doell.
Same distribution as the species.
Reported from scattered localities throughout Mexico.
409. E. obtusiflora (Fourn.) Scribn.
Mexico, endemic.
Salt flats: Chihuahua, Coahuila, Nuevo Leon, Mexico and Veracruz.
410. E. orcuttiana Vasey
U.S. and northern Mexico, native.
Weedy: Baja California Sur, & Baja California Norte.
411. E. palmeri Wats.
Texas and northern Mexico, native.
Open slopes: northern border states except for Baja California Norte, Durango, Zacatecas, Oaxaca.
412. E. pectinacea (Michx.) Nees
United States and Mexico, native.
Weedy: Coahuila and Zacatecas.
413. E. pilosa (L.) Beauv.
Introduced.
Weedy: common, northern border states south to Chiapas.
414. E. plumbea Scribn.
Mexico, endemic.
Dry slopes: Jalisco (Type loc.) Colima, Michoacan, San Luis Potosi, Puebla, Veracruz, Guanajuato.
415. E. pringlei Mattei
Mexico, endemic.
Weedy: Chihuahua, Durango, Jalisco and Michoacan.
416. E. prolifera (Sw.) Steud.
West Indies, southern Mexico and Central America to Brazil, native.
Weedy: Michoacan, Veracruz and Quintana Roo.
417. E. reptans (Michx.) Nees
U.S. south to northern Mexico, native.
Wet, sandy soil: Baja California Norte and Coahuila.

418. E. secundiflora Presl var. secundiflora
Brazil and Mexico, native.
Peninsula Reported from Guerrero and Oaxaca.
419. E. secundiflora Presl var. capitata (Fourn.) Beetle
Florida to Texas and Mexico, native.
Reported for Veracruz and Tamaulipas.
420. E. sessilispica Buckl.
U.S. and northern Mexico, native.
Sandy prairies: Chihuahua and Tamaulipas.
421. E. silveana Swallen
Texas and Mexico, native.
Sandy soil: Coahuila, Tamaulipas and San Luis Potosi.
422. E. simpliciflora (Presl) Steud.
Southern Mexico to Panama, native.
Weedy: "southern Mexico" acc. to Swallen: Grasses of Guatemala.
423. E. spectabilis (pursh) Steud.
U.S., Mexico and British Honduras, native.
Weedy: "northeastern Mexico" acc. to Harvey.
424. E. spicata Vasey
Texas and Mexico, native.
Coastal: Tamaulipas and Baja California Sur.
425. E. superba Peyr.
Introduced.
Cultivated: Sonora, Chihuahua, Coahuila, Nuevo Leon, & Michoacan.
426. E. swalleni Hitchc.
Texas and Mexico, native.
Sandy soil: San Luis Potosi, Jalisco, Veracruz and Chiapas.
427. E. tenella (L.) Beauv.
Pantropical, introduced?
Weedy: Baja California Sur, Nayarit, Jalisco, Guerrero, Puebla, Veracruz, Oaxaca, Tabasco, Yucatan and Quintana Roo.
428. E. tenuifolia (A. Rich.) Hochst.
Introduced from Africa. Weedy.
Reported from Oaxaca.
429. E. tephrosanthos Schult.
U.S., West Indies, south to Brazil, Native.
Weedy: common throughout Mexico.
- 430a. E. trichocolea Hack. and Arech. var. floridana (Hitch.)
Witherspoon.
U.S. and Mexico to Uruguay.
Sandy soil: Puebla, Oaxaca and Chiapas.
- 430b. E. viscosa (Retz.) Trin.
Introduced.
Sandy soil: Baja California Norte, Baja California Sur, Sinaloa, Durango, Guerrero and Chiapas.
- 430c. E. yucatan Harvey
Mexico, endemic.
Sandy soil: Yucatan.
- EREMOCHLOA Buese
10 species in subtropical Asia.
- 430d. E. ophiuroides (Munro) Hack.
Introduced, cultivated as a lawn grass.

- ERIANTHUS Michx. Andropogoneae
 Twenty-five species, temperate & subtropical, worldwide
- 430e. E. giganteus (Walt.) Muhl.
 U.S., Cuba and Mexico, native.
 Swamps: Mexico, Hidalgo and Veracruz.
- 430f. E. trinii Hack.
 Mexico and South America, native.
 Swamps: Nuevo Leon, San Luis Potosi, Queretaro, Hidalgo,
 Veracruz and Chiapas.
- ERIOCHLOA HBK Paniceae
 Twenty-five species, subtropical, worldwide.
- 430g. E. aristata Vasey
 Mexico and Guatemala, native.
 Wet places: common from Sonora and Chihuahua south to
 Chiapas.
- 430h. E. boxiana Hitchc.
 West Indies and Mexico, native.
 Swamps: Yucatan.
- 430i. E. constricta Hitchc.
 U.S. A. & northern Mexico acc. Gould.
- 430j. E. lemmoni Vasey and Scribn. var. lemmoni
 U.S. and northern Mexico, native.
 Weedy: Sonora, Chihuahua, Coahuila, Sinaloa, Jalisco,
 Colima, and Mexico.
- 430k. E. lemmoni var. minor (Vasey) Beetle
 Same distribution as the species, native.
 Weedy: northern border states south to Oaxaca.
- 430l. E. nelsoni Scribn. & Smith.
 Mexico, Guatemala and Nicaragua, native.
 Open slopes: Sonora, and Chihuahua south to along the
 west slope. Oaxaca (Type loc.)
- 430m. E. punctata (L.) Desv.
 U.S., West Indies, Mexico south to Argentina, native.
 Open slopes: Chihuahua, Coahuila and Nuevo Leon,
 south to Chiapas and Tabasco.
- 430n. E. sericea (Scheele) Munro
 U.S. and northern Mexico, native.
 Grassland: Coahuila.
- ERIOCHRYSIS Beauv. Andropogoneae
 Nine species, 4 in America, four in Africa, one in India.
- 430o. E. cayennensis Beauv.
 Southern Mexico south to northern Argentina and Brazil,
 native.
 Swamps: Oaxaca, Veracruz, Chiapas, Tabasco.
- ERIONEURON Nash Eragrosteae
 5 species, southwest U.S. and Mexico.
- 430p. E. avenaceum (HBK) Tateoka var. avenaceum
 U.S. and Mexico, native.
 Dry slopes: Coahuila and Nuevo Leon south to Oaxaca.
- 430q. E. avenaceum var. longiaristatum (Kurtz) Beetle
 U.S. and Mexico, native.
 Chihuahua, Coahuila and Nuevo Leon, Durango, Zacatecas
 and San Luis Potosi, Guanajuato, Queretaro, Guerrero.
- 430r. E. avenaceum (HBK) Tateoka var. nealleyi (Vasey) Gould.
 U.S. and Mexico, native.

Open range: Chihuahua, Coahuila, Nuevo Leon, Tamaulipas, Durango, Zacatecas and Queretaro, Aguascalientes, San Luis Potosi and Hidalgo.

430s. *E. pilosum* (Buckl.) Nash

U.S. and Mexico, native.

Open range: Coahuila, Nuevo Leon, Tamaulipas, Zacatecas, Aguascalientes, San Luis Potosi, and Oaxaca.

430t *E. pulchellum* (HBK) Tateoka

U.S. and Mexico, native.

Open range: northern border states south to Mexico.

EUCHLAENA Schrad.

Andropogoneae

2 species in Mexico and Central America.

430u. *E. mexicana* Schrad.

Cultivated, endemic? (native of the Americas).

Cultivated: northern border states south to Chiapas.

431. *Euclasta condylotricha* (Hochst.) Staf

Mexico and West Indies to Colombia, Venezuela and northern Brazil, native.

Subtropical clearings: Sinaloa, Jalisco, Colima, Michoacan, Veracruz, and Oaxaca.

EUSTACHYS Desv.

Chlorideae

12 species, tronics and subtronics, worldwide.

432. *E. petraea* (Sw.) Desf.

U. S., West Indies, Mexico and Central America, native.

East coast, Nuevo Leon, Tamaulipas, Veracruz, Tabasco and the Yucatan Peninsula.

FESTUCA L.

Festuceae

About 150 species, temperate, worldwide.

433. F. amplissima Rupr.
Mexico and Central America, native.
Baja California Norte & Sonora south also, the west coast to Jalisco; also high mountains of the central plateau, Michoacan, Hidalgo, Mexico, Morelos, Guerrero, Puebla, Oaxaca and Chiapas.
434. F. arundinacea Schreb.
Introduced.
Cultivated: northern states south to Puebla.
435. F. breviolumis Swallen
Mexico and Central America, native.
High forests: Jalisco and Guanajuato south to Chiapas.
436. Festuca fratercula Rupr.
U. S. and northern Mexico, native.
Pine savanna, Nuevo Leon, Chihuahua, Sonora, Durango & Guanajuato also Veracruz (Orizaba).
437. F. herhaestophila Nees
Mexico, endemic.
Central mountains: Nuevo Leon (Cerro Potosi), Puebla, and Veracruz (Orizaba).
438. F. ligulata Swallen
Texas and northern Mexico.
Mountain slopes: Coahila.
439. F. mirabilis Piper
Mexico, endemic.
Mountain slopes: Chihuahua; also San Luis Potosi (type loc.) Hidalgo and Mexico.
440. F. ovina L. var. brachyphylla (Schult.) Piper
Circumboreal and south in the high mountains, native.
Mountain slopes: Chihuahua, Durango, Nuevo Leon, Tamaulipas, Mexico and Puebla.
- 440a. Festuca ovina L. var. glauca Fries
Introduce, Cultivated as ornamental.
441. F. rosei Piper
Mexico, endemic.
Central mountains: Michoacan and Mexico.
442. F. rubra L.
Circumboreal and south in the high mountains, native.
Mountain slopes: Chihuahua and Mexico.

443. F. tolucensis HBK
Mexico and Central America, native.
Pine savanna: Chihuahua south to Chiapas.
444. F. wildenoviana Schult.
Mexico, endemic.
Central mountains: Guerrero, Mexico and Puebla.
- GASTRIDIDIUM Beauv. Agrostideae
4 or 5 species, Mediterranean.
445. Gastridium ventricosum (Gouan) Schinz & Thell.
Introduced.
Dry hills: Baja California Norte.
- GLYCERIA R. Br. Festuceae
35 species, temperate, worldwide.
446. Glyceria borealis (Nash) Batcher
Native, Alaska, Canada, United States and northern Mexico.
Reported from Chihuahua.
447. G. fluitans (L.) P. Br.
Circumboreal and south in the high mountains, native.
Central mountains: San Luis Potosi, Guanajuato,
Querétaro, Hidalgo and Mexico.
448. Glyceria mexicana (Kelso) Beetle
Mexico and Guatemala, native.
Wet places: Hidalgo, Mexico, Morelos Oaxaca and Chiapas.
449. G. septentrionalis Hitchc.
Canada south to Mexico, native.
Wet places: reported by Hernandez-X for San Luis Potosi.
450. G. striata (Lam.) Hitchc.
Canada south to Mexico, native.
Wet places: Sonora and Chihuahua.
- GOUNINIA Fourn. Chlorideae
13 species, subtropical, in the Americas.
451. G. guatemalensis (Hack.) Swallen
Mexico and Central America, native.
Brush: Chiapas, Campeche and Yucatan.
452. G. longiramea Swallen
Mexico, endemic.
Brush: Yucatan and Quintana Roo.
453. G. mexicana (Scribn.) Vasey
Mexico, endemic.
Brush: San Luis Potosi.
454. G. papillosa Swallen
Mexico, endemic.
Brush: Yucatan and Quintana Roo.
455. G. ramosa Swallen
Mexico, endemic.
Brush: Oaxaca, Campeche, Yucatan and Quintana Roo.
456. G. virgata (Presl) Scribn.
Mexico south to Peru, Bolivia and Brazil, native.
Brush: Sonora and Nuevo Leon south to Chiapas, Campeche
and Yucatan.
457. Griffithsochloa multifida (Griffiths) Pierce
Mexico, endemic.
Dry slopes: Mexico, Morelos, Guerrero and Oaxaca.

- GYMNOFOGON Beauv. Chlorideae
15 species, subtropical, Americas.
458. *G. spicatus* (Spreng.) Kuntze
Mexico and West Indies south to Argentina, native.
Pine savanna: Veracruz and Chiapas.
- GYNERIUM Willd. Arundineae
Monotypic.
459. *G. sagittatum* (Aubl.) Beauv.
Southern Mexico to Paraguay, native.
Thickets: Oaxaca, Veracruz, Chianas and Tabasco.
- HACKELOCHLOA Kuntze Paniceae
Monotypic.
460. *H. granularis* (L.) Kuntze
Pantropical, native.
Weedy: occasional throughout Mexico.
461. *Helleria livida* (HBK) Pourn.
Mexico, endemic.
Central mountains: Mexico, Puebla and Veracruz.
- HEMARTHRIA R. Br. Andropogoneae
12 species, Old World, tropics and subtropics.
462. *H.*
Introduced.
Open slopes: Coahuila, Nuevo Leon, San Luis Potosi,
Mexico, south to Chiapas and Tabasco.
- HETEROFOGON Pers. Andropogoneae
8 species, subtropics, worldwide.
463. *H. contortus* (L.) Beauv.
U. S., West Indies, and Mexico south to Argentina
(native?), also in the Old World.
Weedy: common throughout Mexico.
464. *H. melanocarpus* (Ell.) Benth.
Pantropical, native?
Weedy: northern border states south to Chiapas.
- HIEROCHLOE R. Br.
Species 15-20, temperate, worldwide.
465. *H. mexicana* (Pursh) Benth.
Mexico and Guatemala, native.
Pine savanna: Oaxaca (type loc.) Morelos and Chiapas.
- HILARIA HBK Chlorideae
Six species, in the Americas.
466. *H. belangeri* (Steud.) Nash var. *belangeri*
U. S. south to central Mexico, native.
Grassland: northern border states south to Oaxaca.
- 466a. *H. belangeri* var. *longifolia* (Vasey) Hitchc.
Reported in both U. S. and Mexico.
Rocky hills, Sonora (type loc.), Coahuila.

467. H. cenchroides HBK
Mexico and Guatemala, native.
Open slopes: common from northern border states south to Chiapas.
468. H. ciliata (Scribn.) Nash
Mexico, endemic.
Open slopes: Sonora, Baja California Sur, Mayarit, Tamaulipas, San Luis Potosi, Jalisco (type loc.), south to Oaxaca.
469. H. hintoni Sohns
Mexico, endemic.
Queretaro, Mexico and Guerrero.
470. H. mutica (Buckl.) Benth.
U. S. and northern Mexico, native.
Dry flats: Sonora, Chihuahua, Coahuila, Nuevo Leon, Durango and Zacatecas.
471. H. ricida (Thurb.) Benth.
U. S. and northern Mexico, native.
Desert: Baja California Norte, Sonora and Chihuahua.
472. H. semplei Sohns
Mexico, endemic.
Llanos, Michoacan (type loc.).
473. H. swalleni Cory
Texas and northern Mexico, native.
Grasslands: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas and San Luis Potosi.

HOLCUS L.

Aveneae

About 8 species, Old World, temperate.

474. H. lanatus L.
Introduced.
Weedy: Chihuahua, Puebla, Veracruz and Chiapas.

HOMOLEPIA Chase

Paniceae

Three species in tropical America.

475. H. aturensis (HBK) Chase
Southern Mexico to Bolivia and Brazil, native.
Marshes: Oaxaca, Chiapas, Veracruz and Tabasco.

HORDEUM L.

Hordeae

Twenty-five species, temperate, worldwide.

476. Hordeum adscendens HBK
Apparently native? weedy.
Coahuila, San Luis Potosi, Mexico, Aguascalientes and Puebla.
477. Hordeum arizonicum Covas
Native, Arizona, southern California and Mexico.
Reported by Wiggins for Baja California Norte.
478. Hordeum brachyantherum Nevski
Temperate North America, native.
Reported by Gould for Baja California Norte.
479. Hordeum depressum (Scribn. & Smith) Rydb.
Native, Western North America. Reported by Wiggins: "Moist alkaline depressions and flats" Baja California Norte.

480. H. glaucum Steud.
Introduced.
Mediterranean: Baja California Norte.
481. Hordeum hystrix L.
Introduced, widespread in North America.
Reported by Gould and Moran for Baja California Norte.
482. Hordeum jubatum L.
Introduced: reported by
Gould for Baja California Norte.
483. H. pusillum var. pubens Hitchc.
U. S. and Northern Mexico, native.
Weedy: Coahuila.
484. H. vulgare L.
Introduced.
Cultivated: scattered localities in Central and
northern Mexico.
485. Hydrochloa caroliniensis Beauv. var. caroliniensis.
Aquatic, native.
Jalisco, etc.
- 485a. Hydrochloa caroliniensis var. conneri Guzmán
Native, aquatic, described from & endemic to Jalisco.

HYMENACHNE Beauv.

Paniceae

10 species, tropics, worldwide.

486. H. amplexicaulis (Rudge) Nees
Mexico and West Indies south to Argentina, native.
Marshes: West from Sinaloa to Chiapas, also Veracruz,
Tabasco and Campeche.

HYPARRHENIA

Andropogoneae

Seventy species, tropical and subtropical Africa, one
in Americas.

487. H. bracteata (H. & B.) Stapf
Mexico to Brazil and Paraguay, native.
Marshes: Veracruz, Chiapas, and Oaxaca.
488. H. hirta (Nees) Stapf
Introduced.
Cultivated: Nuevo Leon, San Luis Potosi, Oaxaca,
Chiapas and Yucatan.
489. H. rufa (Nees) Stapf
Introduced.
Cultivated and escaped: Sinaloa south to the Yucatan
Peninsula.
490. Hyparrhelia dissoluta (Nees ex Steud.) Clayton
Introduced from Africa.
Rocky slopes, Sinaloa, Nayarit, Jalisco, Michoacan,
Mexico, Chiapas and Yucatan.
491. Hypogynium virgatum (Desv.) Dandy
West Indies, Mexico, Central America south to Argentina.
Reported from Oaxaca, Tabasco

ICHNANTHUS Beauv.

Paniceae

About 50 species in the New World tropics, 2 in the 01
World tropics.

492. I. calvescens (Nees) Doell.
Mexico and British Honduras, native.
Oak forest: Oaxaca.

493. I. lanceolatus Scribn. & Sm.
Mexico and British Honduras, native.
Brush: Yucatan Peninsula, Chiapas, Tabasco, and the Yucatan Peninsula.
494. I. nemorosus (Sw.) Doell.
West Indies and Mexico south to Panama, native.
Brush: San Luis Potosi, Hidalgo, Veracruz, Oaxaca and Chiapas.
495. I. pallens (Sw.) Munro
Mexico and West Indies south to tropical S. America.
Brush: San Luis Potosi, Puebla, Veracruz, Oaxaca, Chiapas, Tabasco and Quintana Roo.
- 495a. I. pallens f. monstrosum (Fourn.) Beetle
496. I. standleyi Hitchc.
Mexico and Central America, native.
Forest margin: Chiapas.
497. I. tenuis (Presl) Hitchc. and Chase
Mexico, Central America, south to Brazil, native.
Brush: Chiapas, Veracruz.

IMPERATA Cyrill

Andropogoneae

Ten species, subtropical, worldwide.

498. I. brasiliensis Trin.
Florida, Mexico, and south to Argentina, native.
Brush: Oaxaca, Veracruz, Tabasco, Chiapas, and Campeche.
499. I. brevifolia Vasey
Texas to California and Mexico, native.
Brush: Baja California Norte, Sonora, C hiuahuahua, Nayarit and Jalisco.
500. I. contracta (HBK) Hitchc.
Mexico and West Indies south to Brazil, native.
Grassland: Hidalgo, Veracruz, Tabasco, Chiapas and Campeche.
501. I. cylindrica (L.) Beauv.
Introduced.
Cultivated or escaped: Chiapas, reported by Gould.

ISACHNE R. Br.

Paniceae

Twenty-five species, tropics, worldwide.

502. I. arundinacea (Sw.) Griseb.
Mexico, Central America to Peru, native.
Pine savanna: Puebla, Veracruz, Oaxaca, Chiapas.
503. I. pubescens Swallen
Mexico and Guatemala, native.
Pine savanna, Veracruz and Chiapas.

ISCHAEMUM L.

Paniceae

Fifty species, tropics, worldwide.

504. I. latifolium (Spreng) Kunth
Mexico and West Indies south to Brazil, native.
Weedy: Veracruz, Oaxaca, Chiapas and Campeche
505. Ischaemum rugosum Salisb.
Introduced from Asia.
Reported from Nayarit and Guerrero.

- IXOPHORUS Schlecht. Panicum
506. Ixophorus palmeri (Vasey) Beetle
Native, endemic.
Reported from Jalisco and Colima.
507. I. unisetus (Presl) Schlecht.
Mexico, Cuba and Central America, Colombia and Venezuela,
native.
Swamps: Sinaloa and Tamaulipas south to Chiapas.
- JOUVEA Fourn. Eragrosteae
508. J. pilosa (Presl) Scribn.
Mexico and Central America, native.
Sand dunes: western coastal states: Tamaulipas, Tabasco,
Campeche and Yucatan.
509. J. straminea Fourn.
Mexico and Central America, native.
Salt marshes: west coast from Sinaloa to Chiapas.
- KOELERIA Pers. Aveneae
- Fifty species, temperate, worldwide.
510. K. californica (Domin) Beetle
Calif. and Mexico, Native.
Dry slopes: northern border states at low
511. Koeleria cristata (L.) Pers. var. cristata
Circumboreal, native.
Central states at high elevations.
- 511a. Koeleria cristata var. geniculata (Fourn.) Beetle
Mexico, endemic.
Pine forests, central highlands.
512. Koeleria phleoides (Vill.) Pers.
Introduced from the Mediterranean Region.
Reported only for Baja California Norte.
- LAMARCKIA Moench.
- Monotypic.
513. L. aurea (L.) Moench.
Introduced.
Weedy: Baja California Norte.
- LASIACIS (Griseb.) Hitchc. Paniceae
- Thirty species in American tropics.
514. L. divaricata (L.) Hitchc. var. divaricata 513.
Florida, West Indies, Mexico south to Argentina,
native.
Tropical forest margin: Baja California Sur, Sinaloa,
Nuevo Leon, San Luis Potosi south to Yucatan Peninsula.
- 514a. Lasiacis divaricata var. leptostachya (Hitchc.) Davidse
Mexico and Central America, native.
Tropical forest margins, Oaxaca and Chiapas.
515. L. grisebachii (Nash) Hitchc.
Mexico, Cuba and Central America, native.
Tropical forest margin: Veracruz, Chiapas, Campeche
and Quintana Roo, also San Luis Potosi, Guerrero,
Oaxaca, Puebla.

516. Lasiacis linearis Swallen
Mexico and Central America, native.
Cloud forests or pine woods, Chiapas.
517. Lasiacis nigra Davidse
Mexico to Peru, native.
Montane, forest margin, common, Nayarit and
Nuevo Leon south to Chiapas.
518. L. oaxacensis (Steud.) Hitchc.
West Indies, Mexico, Central America, south to Peru, native.
Brush: Michoacan, Oaxaca, Veracruz and Chiapas, also
Nayarit and Jalisco.
519. L. procerrima (Hack.) Hitchc.
Mexico to Peru and Brazil, native.
Brush: Sinaloa, Durango, Nayarit south to Chiapas and Tabasco
520. L. rhizophora (Fourn.) Hitchc.
Mexico and Central America, native.
Thickets: Veracruz and Chiapas, also Oaxaca, Guerrero and
Morelos.
521. L. rugelii (Griseb.) Hitchc.
West Indies and Mexico, native.
Thickets: Yucatan, Guanajuato and San Luis Potosi south
to the Yucatan Peninsula.
522. L. ruscifolia (HBK) Hitchc.
West Indies, Mexico south to Peru and Argentina, native.
Brush: common throughout Mexico.
523. L. scabrior Hitchc.
Mexico, Central America, Columbia and Ecuador, native.
Brush: Veracruz, Oaxaca, and Chiapas.
524. L. sloanei (Griseb.) Hitchc.
West Indies and Mexico, Central America, Colombia and
Venezuela, Ecuador, native.
Brush: Tamaulipas, San Luis Potosi south to Chiapas and
the Yucatan Peninsula.
525. L. sorghoidea (Desv.) Hitchc. and Chase
West Indies, Mexico, Central America south to Bolivia
and Argentina, native.
Brush: Mexico, Veracruz, Oaxaca and Chiapas.
526. Lasiacis standleyi Hitchc.
Mexico to Venezuela and Ecuador.
Shady woods, Chiapas.

LEERSIA Sw.

Oryzeae

- Ten species, worldwide, aquatic.
527. L. hexandra Sw.
Pantropical, native.
Aquatic: Durango, Jalisco, south to Chiapas and Tabasco.
528. L. ligularis Trin. var. ligularis
Mexico, endemic.
Aquatic: Puebla, Veracruz.
- 528a. Leersia ligularis Trin var. breviligularis (Prod.) Pyrah
Mexico and Guatemala, native.
Forests Nuevo Leon and Tamaulipas south to Chiapas and
Yucatan.

529. L. monandra Sw.
 U. S., West Indies and Mexico, native.
 Aquatic: Nuevo Leon and Tamaulipas, San Luis Potosi,
 Tabasco and Yucatan.
530. L. oryzoides (L.) Sw.
 Canada, U. S. and northern Mexico, native.
 Aquatic: Nuevo Leon, Tamaulipas and San Luis Potosi.
- LEPTOCHLOA Beauv. Chlorideae
 Seventy species, subtropical, worldwide.
531. L. aquatica Scribn.
 Mexico, endemic.
 Aquatic: Jalisco, Michoacan, Morelos (type loc.)
 and Guerrero.
532. Leptochloa digitatiformis Beetle
 Mexico, native, endemic.
 Reported from Sonora.
533. L. domingensis (Jacq.) trin.
 Mexico, endemic.
 Swales: Tamaulipas, San Luis Potosi, south to Yucatan
 Peninsula.
534. L. dubia (HBK) Nees
 U. S., Mexico and Argentina, native.
 Swales: northern border states, south to Chiapas.
535. L. fascicularis (Lam.) Gray
 U. S. and Mexico, Central and south America, native.
 Swales: common throughout Mexico.
536. L. filiformis (Lam.) Beauv.
 U. S. south to Argentina, native.
 Swales, weedy: common throughout Mexico.
- 536a. Leptochloa filiformis var. latifolia Beetle
 536b. Leptochloa filiformis (Lam.) Beauv. var. pulchella
 (Scribn.) Beetle
 Mexico, native, endemic, mostly
 Coastal.
537. L. nealleyi Vasey
 U. S. and Mexico, native.
 Swales: Tamaulipas, Veracruz and Yucatan; Sinaloa,
 Nayarit and Jalisco.
538. L. panicoides (Presl) Hitchc.
 U. S., Mexico and Brazil, native.
 Swales: Sonora, Sinaloa, Nayarit, Colima, Guerrero,
 Morelos, Oaxaca and Tabasco.
539. L. scabra Nees
 U. S., Mexico, West Indies, south to Brazil, native.
 Swales: Sonora, Sinaloa, Michoacan, Veracruz, Chiapas
 and Tabasco.
540. L. uninervia (Presl) Hitchc. and Chase
 U.S., Mexico, West Indies, south to Argentina, native.
 Swales: northern border states north to Chiapas.
541. L. virgata (L.) Beauv.
 U. S., Mexico, West Indies, south to Argentina, native.
 Swales: south to Nayarit, San Luis Potosi and Tamaulipas.
 Yucatan Peninsula.

542. *L. viscida* (Scribn.) Beal
 U. S. and northern Mexico, native.
 Weedy: Baja California Norte, Baja California Sur, Sonora,
 Sinaloa and Chihuahua.
- LEPTOCORYPHIUM Nees Paniceae
 One or two species in tropical America.
543. *L. lanatum* (HBK) Nees
 West Indies, Mexico, Central America to Argentina, native.
 Pine savanna: Chiapas, Veracruz and Tabasco.
- LEPTOLOMA Chase Paniceae
 Four species, one North America, three in Australia.
544. *L. cognatum* (Schultes) Chase
 Canada, U. S. and northern Mexico, native.
 Sandy soil: Chihuahua, Coahuila, Nuevo Leon, Tamaulipas,
 Durango, Zacatecas, San Luis Potosi, Guanajuato, Hidalgo
 and Veracruz.
- LIMNODEA Dewey Agrostideae
 Monotypic.
545. *L. arkansana* (Nutt.) Dewey
 U.S. and northern Mexico, native.
 Grassland: Coahuila.
- LITHACHNE Beauv. Olyreae
 Four species, tropical America.
546. *L. pauciflora* (Sw.) Beauv.
 West Indies and Mexico south to Argentina, native.
 Tropical forest: Tamaulipas, San Luis Potosi, Veracruz
 and Chiapas.
- LOLIUM L. Festuceae
 Fifteen species, temperate, Old World.
547. *L. multiflorum* Lam.
 Introduced.
 Weedy: scattered localities throughout Mexico.
548. *L. perenne* L.
 Introduced.
 Cultivated and escaped: scattered localities throughout
 Mexico.
549. *Lolium temulentum* L.
 Introduced from the Mediterranean region.
 Weedy, Baja California Norte, San Luis Potosi,
 Puebla, Veracruz and Oaxaca.

- LUZIOLO Juss. Zizanieae
 Eight species in tropical America.
550. L. gracillima Prod.
 Weedy in wet places, Sonora and Jalisco.
551. L. peruviana Gmel.
 Mexico, Cuba, south to Argentina, native.
 Marshes: Queretaro, Mexico, Veracruz, Chiapas
 and Tabasco.
- LYCURUS HBK Eragrosteae
 Six species, temperate and subtropical America.
552. L. phleoides HBK var. phleoides
 U. S. and Mexico, native.
 Grassland: northern border states south to Chiapas.
- 552a. Lycurus phleoides var. brevifolius Scribn.
 U.S.A., Mexico and South America.
 Grasslands, common throughout Mexico except for the
 Yucatan Peninsula.
- 552b. L. phleoides var. glaucifolius Beal
 U. S. and Mexico, native.
 Grassland: Sonora and Chihuahua.
- MELICA L. Meliceae
 Sixty species, temperate, worldwide.
553. M. frutescens Scribn.
 California and Baja California, native.
 Brush: Baja California Norte and Baja California Sur.
554. M. imperfecta Trin. var. imperfecta.
 California and Baja California, native.
 Brush: Baja California Norte and Baja California Sur.
- 554a. M. imperfecta var. flexuosa Beal.
- 554b. M. imperfecta var. minor Scribn.
- 554c. M. imperfecta var. refracta Thurb.
555. M. montezumae Piper
 (including M. alba Hitchc.)
 Texas and northern Mexico, native
 Rocky slopes: Chihuahua, Coahuila and Nuevo Leon.
556. M. nitens (Scribn.) Nutt.
 U. S. and northern Mexico, native.
 Woods and grasslands: Coahuila and Nuevo Leon.
557. M. porteri Scribn.
 U. S. and northern Mexico, native.
 Grassland: Chihuahua.
- MELINIS Beauv. Melinideae
 Fifteen species in Africa.
558. M. minutiflora Beauv.
 Introduced.
 Roadsides: Jalisco, Michoacan, Mexico, Hidalgo, Puebla,
 Veracruz, Oaxaca, Chiapas and Tabasco.
- MESOSETUM Steud. Paniceae
 Thirty species, American tropics, mostly Brazil.
559. M. blakei Swallen
 Mexico, endemic and Guatemala.
 Tropical forest margin: Tabasco, Oaxaca and Chiapas.

560. M. pittieri Hitchc.
Mexico and Central America, native.
Pine savanna: Oaxaca and Chiapas.
- METCALFIA Conert Festuceae
Monotypic.
561. M. mexicana (Scribn.) Conert
Mexico, endemic.
Pine savanna: Coahuila, Nuevo Leon, San Luis Potosi,
Queretaro, Hidalgo, Mexico, Puebla, Oaxaca and Chiapas.
- MICROCHLOA R. Br. Chlorideae
Five or 6 species, tropics, worldwide.
562. M. kunthii Desv.
Mexico, Central America and S. America, native.
Rocky ground: Baja California Chihuahua south to
Chiapas.
563. Miscanthus sinensis Anderson
Introduced from China and Japan.
Cultivated as an ornamental; Veracruz.
- 563a. Miscanthus sinensis L. zebrina (Beal) Beetle
- MONANTHOCHLOE Engelm. Aeluropodeae
Three species in the Americas.
564. M. littoralis Engelm.
U. S., Cuba and Mexico, native.
Baja California Norte, Baja California Sur, Sonora,
Sinaloa, Coahuila, Tamaulipas, Chiapas and Yucatan.
- 564a. Monerma cylindrica (Willd.) Coss & Dur.
Introduced from Europe. Reported from Baja California
Norte.
- MUHLENBERGIA Schreb. Eragrosteae
One hundred sixty species, centered in Mexico, but
worldwide.
565. M. alamosae Vasey
Mexico, endemic.
Open slopes: Baja California Sur, Sonora, Chihuahua,
Sinaloa, Durango, Jalisco, Guanajuato, Mexico, and
Morelos.
567. M. angustifolia Swallen
Mexico, endemic.
Open slopes: Jalisco.
568. M. annua (Vasey) Swallen
Mexico, endemic.
Open slopes, Chihuahua.
569. M. appressa Gooding
Arizona and Mexico, native.
Open slopes: Baja California Sur and Baja California
Norte.

570. M. arenacea (Buckl.) Hitchc.
U. S. and northern Mexico, native.
Sandy soils: Sonora, Chihuahua, Coahuila, Zacatecas,
and San Luis Potosi.
571. M. arenicola Buckl.
U. S. and northern Mexico, native.
Sandy soil: Sonora, Chihuahua, Coahuila, Nuevo Leon,
Durango, Zacatecas and San Luis Potosi.
572. M. argentea Vasey
Mexico, endemic.
Open slopes: Chihuahua.
573. M. arizonica Scribn.
U. S. and northern Mexico, native.
Open slopes: Sonora, Chihuahua, Coahuila, Baja California
Sur, Sinaloa and Durango.
574. M. arseni Hitchc.
U. S. and northern Mexico, native.
Open slopes: Baja California Norte.
575. M. articulata Scribn.
Mexico, endemic.
Gypsum soils: San Luis Potosi, Guanajuato, Queretaro,
Hidalgo and Guerrero.
576. M. biloba Hitchc.
Mexico, endemic.
Open slopes: Chihuahua and Durango.
577. M. brandegei Reeder
Mexico, endemic.
Desert: Baja California Sur.
578. M. brevifolia Scribn.
Mexico, endemic.
Open slopes: Jalisco and Durango.
579. M. brevis Gooding
U. S. and Mexico, native.
Swales: Chihuahua, Durango, Zacatecas, San Luis Potosi
and Mexico.
580. M. breviseta Griseb.
Mexico, endemic.
Brush: Jalisco, Michoacan, Mexico and Veracruz
(type loc.: Orizaba).
581. Muhlenbergia brevivaginata Swallen
Mexico, native endemic.
Reported only for Jalisco.
582. M. capillaris (Lam.) Trin.
U. S., West Indies and Mexico, native.
Woodland: Chihuahua, Coahuila, Tamaulipas, Sonora,
to Quintana Roo.
583. M. ciliata (HBK) Kunth
Mexico, Central America, Ecuador, and Peru, native.
Open slopes: Sonora and Chihuahua south to Chiapas
584. M. confusa (Fourn.) Swallen
Mexico and Guatemala, native.
Open slopes: northern border states south to Chiapas.
585. M. crispiseta Hitchc.
Mexico, endemic.
Open slopes: Sonora, Chihuahua, Durango, Zacatecas,
Nayarit, Jalisco, and San Luis Potosi.

586. M. curvula Swallen
Mexico, endemic.
Oak woods: Guanajuato (type loc.) San Luis Potosi,
and Jalisco.
587. M. decumbens Swallen
Mexico, endemic.
Sandy soil: Chihuahua.
588. M. depauperata Scribn.
U. S. and Mexico, native.
Open slopes: Chihuahua and Coahuila South to Puebla.
589. M. distans Swallen.
Mexico and Guatemala, native.
Open slopes: Durango, Zacatecas, San Luis Potosi
south to Chiapas.
590. M. distichophylla (Presl) Kunth
Mexico, endemic.
Jalisco south to Chiapas.
591. M. diversiglumis Trin.
Mexico, Central America, Colombia and Venezuela to
Peru, native.
Oak brush: Sinaloa south to Chiapas.
592. M. dubia Fourn.
U. S. and Mexico, native.
Pine savanna: Chihuahua and Nuevo Leon south to
Veracruz and Puebla.
593. M. dubioides Gooding
U. S. and northern Mexico, native.
Canyons: Coahuila and Chihuahua.
594. M. dumosa Scribn.
U. S. and Mexico, native.
Cayons, Baja California Sur, Sonora and Chihuahua; south
to Oaxaca.
595. M. elongata Scribn.
Mexico, endemic.
Open slopes: Sonora and Chihuahua; also Mexico acc. to
Matuda.
596. M. eludens C. Reeder
U. S. and northern Mexico, native.
Rocky woods: Sonora, Chihuahua and Durango.
597. M. emersleyi Vasey
Southwestern U. S. to Panama, native.
Pine-oak forests: northern border states south to
Chiapas.
598. M. eriophylla Swallen
Mexico, endemic.
Oak woods: Mexico.
599. Muhlenbergia expansa (Dc) Trin.
United States and Mexico, native.
Reported for Veracruz.
600. M. filiformis (Thurb.) Rydb. var. fortis Kelso.
U. S. and Mexico, native.
Swales: Baja California Norte and Durango.
601. M. firma Beal
Mexico, endemic.
Pine savanna: Coahuila, San Luis Potosi south to
Oaxaca (type loc.).

602. M. flavida Vasey
Mexico, endemic.
Open slopes: Sonora, Chihuahua, Durango, Jalisco and Hidalgo.
603. M. flaviseta Scribn.
Mexico, endemic.
Pine savanna: Durango.
604. M. fragilis Swallen
U. S. and Mexico, native.
Open ground: Northern border states south to Oaxaca y Veracruz.
605. M. gigantea (Fourn.) Hitchc.
Mexico, endemic.
Pine savanna: Sonora and Durango south to Chiapas.
606. M. glabrata (HBK) Kunth
Mexico, endemic.
Pine savanna: Nuevo Leon, San Luis Potosi, Guanajuato (type loc.) south to Puebla.
607. M. glauca (Nees) Mez
(M. huahuacana Vasey)
U. S. and northern Mexico, native.
Pine savanna: Chihuahua and Coahuila south to Mexico.
608. M. goodingii Soderstrom
Arizona and Sonora, native.
Desert: Sonora.
609. M. grandis Vasey
Mexico, endemic.
Canyon: Nayarit and Jalisco.
610. M. gypsophila Reeder and Reeder
Mexico, endemic.
Gypsiferous soils: Coahuila, Nuevo Leon and San Luis Potosi.
611. M. hintoni Swallen
Mexico, endemic.
Central mountains: Mexico.
612. M. implicata (HBK) Kunth
Mexico, Central America to Colombia and Venezuela, native.
Wet. banks: Chihuahua south to Chiapas.
613. M. iridifolia Soderstrom
Mexico, endemic.
Pine savanna: Jalisco.
614. Muhlenbergia jaliscana Swallen
Mexico, endemic. Pine woods.
Reported only for Jalisco.
615. Muhlenbergia laxa Hitchc.
Mexico, endemic, wet places
Veracruz, "Orizaba".
616. M. leptoura (Piper) Hitchc.
Mexico, endemic.
Pine savanna: Sonora and Chihuahua.
617. M. lindheimeri, Hitchc.
Texas and Coahuila, native.
Limestone: Coahuila.

618. M. longiglumis Vasey
Mexico, endemic.
Pine savanna: Aguascalientes, Jalisco and Michoacan.
619. M. longiligula Hitchc.
U. S. and Mexico, native.
Canyons: Sonora, Chihuahua, Coahuila, Nuevo Leon and Durango.
620. M. lucida Swallen
Mexico, endemic.
Pine savanna: Chihuahua, Guanajuato and Mexico.
621. M. macrotis (Piper) Hitchc.
Mexico, endemic.
Pine savanna: Chihuahua, Sinaloa and Durango south Chiapas.
222. M. macroura (HBK) Hitchc.
Mexico and Guatemala, native.
Open slopes: Chihuahua and Nuevo Leon south to Chiapas.
624. M. microsperma (DC) Kunth
U. S., Mexico, Colombia and Venezuela to Peru, native.
Moist banks:
south to Chiapas.
625. M. minutissima (Steud.) Swallen
U.S. and Mexico, native.
Moist banks: Baja California Norte, Chihuahua, and south to Mexico Puebla and Tlaxcala.
626. M. montana (Nutt.) Hitchc.
U. S., Mexico and Guatemala, native.
Pine savanna: Sonora, Chihuahua, and Coahuila south to Oaxaca.
627. M. mutica (Rupr.) Hitchc.
Mexico, endemic.
Pine savanna: Veracruz and Chiapas.
628. M. nigra Hitchc.
Mexico and Guatemala, native.
Pine savanna: Guanajuato, Jalisco, Tlaxcala, Puebla Mexico and Chiapas.
629. Muhlenbergia oreophila Swallen
Mexico and Guatemala, native.
Mexico (type loc. for M. matudae Sohns)
630. M. palmeri Vasey
Mexico, endemic.
Pine savanna: Chihuahua and Michoacan.
631. M. parviglumis Vasey
U. S., Cuba and Mexico, native.
Rocky slopes: Chihuahua, Coahuila, Nuevo Leon Tamaulipas and San Luis Potosi.
632. M. pauciflora Buckl
U. S. and northern Mexico, native.
Rocky slopes: Baja California Norte, Sonora, Chihuahua, Coahuila and Nuevo Leon.

633. M. pectinata C. Gooding
Arizona and Mexico, native.
Rocky slopes: Sonora, Chihuahua, Durango, Jalisco,
Michoacan, Mexico.
634. M. plumbea (Trin.) Hitchc.
Mexico, endemic.
Central mountains: Mexico, Puebla and Tlaxcala.
635. M. polycaulis Scribn
U. S. and Mexico, native.
Rocky slopes: Sonora to Coahuila and south to Hidalgo.
636. M. porteri Scribn.
U. S. and Mexico, native.
Brush: Baja California Norte, Sonora, Chihuahua, Coahuila
Nuevo Leon, Tamaulipas and Durango.
637. M. presliana Hitchc.
Mexico and Guatemala, native.
Pine savanna: Chiapas.
638. M. pubescens (HBK) Hitchc.
Mexico, endemic.
Pine savanna: Chihuahua, Coahuila and Nuevo Leon
south to Oaxaca.
639. M. pubigluma Swallen
Mexico, endemic.
Canyons: Chihuahua, Coahuila and Nuevo Leon.
640. M. pulcherrima Scribn.
Arizona and Mexico, native.
Pine savanna: Chihuahua, Durango and Morelos.
641. M. purpusii Mez
Mexico, endemic.
Gypsum soils: San Luis Potosi (type loc.) Chihuahua,
Coahuila.
642. M. pusilla Steud.
Mexico and Guatemala, native.
Mountain meadows: Sonora and Chihuahua south to Chiapas.
643. M. quadridentata (HBK) Kunth
Mexico and Guatemala, native.
Pine savanna: Sonora and Chihuahua south to Chiapas.
- 643a. M. racemosa (Michx) BSP
644. M. ramulosa (HBK) Swallen
Mexico to Costa Rica, native.
Meadows: Jalisco and San Luis Potosi, south to Chiapas.
645. M. reederorum Soderstrom
Mexico, endemic.
Canyons: Durango and Michoacan.
646. M. repens (Presl) Hitchc.
U. S. and Mexico, native.
Sandy soil: northern border states south to Oaxaca.
647. Muhlenbergia reverchoni Vasey & Scribn.
United States and Mexico.
Reported from Puebla.
648. M. richardsonis (Trin.) Rydb.
Canada south to Mexico, native.
Meadows: northern border states south to Puebla.

649. *M. rigens* (Benth.) Hitchc.
U. S. and Mexico, native.
Canyons: northern border states south to Puebla.
650. *M. rigida* (HKB) Kunth
U. S. and Mexico, native.
Canyons: northern border states south to Oaxaca.
651. *M. robusta* (Fourn.) Hitchc.
Mexico, endemic.
Oak-pine savanna: Sonora and Chihuahua south to Chiapas.
652. *M. schmitzii* Hack.
Mexico, endemic.
Pine savanna: Chihuahua, Hidalgo and Mexico.
653. *M. schreberi* Gmel.
U. S. and Mexico, native.
Woods: Queretaro, Hidalgo and Veracruz.
654. *M. scoparia* Vasey
Mexico, endemic.
Pine savanna: Sonora and Chihuahua south to Michoacan
655. *M. seatonii* Scribn.
Mexico, endemic.
Pine savanna: Puebla and Tlaxcala.
656. *M. setariodes* Fourn.
Mexico and Central America, native.
Pine savanna: Veracruz and Chiapas.
657. *M. setifolia* Vasey
Texas, New Mexico and northern Mexico, native.
Calcareous soil: Chihuahua, Tamaulipas and San Luis Potosi.
658. *M. shepherdii* (Vasey) Swallen
Mexico, endemic.
Ledges: Sonora, Chihuahua and Durango.
659. *M. sinuosa* Swallen
U. S. and Mexico, native.
Moist slopes: Sonora and Chihuahua.
660. *M. speciosa* Vasey
Mexico, endemic.
Pine savanna: Chihuahua south to Puebla.
661. *M. spiciformis* Trin.
Mexico, endemic.
Pine savanna: San Luis Potosi, Michoacan, Hidalgo, Veracruz, Oaxaca and Chiapas.
662. *M. stricta* (Presl) Kunth
Mexico, endemic.
Pine savanna: Durango, Nayarit, Jalisco, Colima, Michoacan, Mexico, Molrelos, Veracruz and Oaxaca.
663. *M. strictior* Scribn.
Mexico, endemic,
Pine savanna: Sonora, Chihuahua, Durango and Mexico.
664. *M. subaristata* Swallen
Mexico, endemic.
Canyon: Durango.
665. *M. subbiflora* Hitchc.
Mexico, endemic.
Moist slopes: Durango.

666. M. tenella (HBK) Trin
Mexico to Panama
Moist slopes: Sonora and Chihuahua south to Chiapas.
667. M. tenuifolia (HBK) Trin.
Mexico, endemic.
668. M. tenuissima (Presl) Kunth
Mexico and Panama, native.
Moist slopes: Nayarit, Jalisco, Colima and Michoacan
669. M. torreyi (Kunth) Hitchc
U. S. and northern Mexico, native.
Grasslands: Sonora, Chihuahua and San Luis Potosi.
670. M. utilis (Torr.) Hitchc.
U. S. and Mexico, native.
Grassland: Chihuahua, Coahuila, Durango, San Luis Potosi, Hidalgo and Mexico.
671. M. vaginata Swallen
Mexico and Guatemala, native.
Meadows: Sinaloa, Durango, Guanajuato, Michoacan, Mexico and Hidalgo.
672. M. versicolor Swallen
Mexico, endemic.
Pine savanna: Nayarit south to Chiapas.
673. M. villiflora Hitchc.
Mexico, endemic.
Gypsum soils: Coahuila, Nuevo Leon, Durango, Zacatecas, San Luis Potosi and Hidalgo.
674. M. virescens (HBK) Kunth
New Mexico and Arizona south to Mexico, native.
Canyons: northern border states south to Michoacan and Mexico.
675. M. virletii (Fourn.) Soderstrom
Mexico, endemic.
High plains: Durango south to Puebla.
676. M. watsoniana Hitchc.
Mexico, endemic.
Desrt: Chihuahua, San Luis Potosi, and Jalisco.
677. M. wolfii (Vasey) Rydb.
U. S. and Mexico, native.
Pine savanna: Baja California Norte, Baja California Sur, Sonora, Chihuahua and Durango.
678. M. wrightii Vasey
U. S. and Mexico, native.
Grasslands: Baja California Norte, Sonora and Chihuahua, also Tamaulipas.
679. M. xanthodos Soderstrom
Mexico, endemic.
Pine savanna: Chiapas.
680. Muhlenbergia xerophila C. O. Gooding
Arizona and adjacent Mexico, native.
Reported from Sonora.

MUNROA Torr.

Eragrosteae

- One species in western N. America and two in Argentina.
681. M. squarrosa (Nutt.) Torr.
Canada, U. S. and Mexico, native.
Grassland: Chihuahua and Coahuila.

- NEYRAUDIA Hook. f. Arundineae
 Small, Old World genus.
682. N. reynaudiana (Kunth) Keng.
 Introduced.
 Cultivated or escaped: Veracruz.
- OLMECA Soderstrom
 Two species in Mexico.
- 682a. O. recta Soderstrom
 native, endemic.
 Veracruz.
- 682b. O. reflexa Soderstrom
 native, endemic.
 Veracruz, Oaxaca and Chiapas.
- OLYRA L. Olyreae
 25 species in the American tropics, one in Africa.
683. O. cordifolia HBK
 Southern Mexico, Venezuela to Paraguay, native.
 Tropical forest margin: Chiapas, also San Luis Potosi.
684. O. latifolia L.
 Florida, Mexico and West Indies south to Brazil and
 northern Argentina, native.
 Tropical forest margin: Nayarit, San Luis Potosi south to
 the Yucatan Peninsula.
685. O. yucatana Chase
 Mexico, Guatemala and British Honduras, native.
 Tropical forest margin: Oaxaca, Chiapas and the Yucatan
 Peninsula.
- OPIZIA Presl Chlorideae
 Monotypic
686. O. bracteata McVaugh
 and from michoacana
- 686a. O. stolonifera Presl
 Cuba and Mexico, native.
 Dry slopes and flats: Nayarit, Tamaulipas south to
 Yucatan.
- OPLISMENUS Beauv. Paniaceae
 Ten species, tropics, worldwide.
687. O. affinis Schult.
 Pantropical, introduced?
 Weedy: Sonora and Baja California Sur south to the
 Yucatan.
- 687a. O. affinis var. humboldtianus (Nees) Scholz
688. O. hirtellus (L.) Beauv.
 Mexico and West Indies south to Argentina, native.
 Forest margin: northern border states south to
 Yucatan Peninsula.
689. O. rariflorus Presl
 Southern Mexico south to Peru, native.
 Pine savanna: Sinaloa south to Chiapas.

690. *O. setarius* (Lam.) R. & S.
 U. S., West Indies and Mexico south to northern
 Argentina, native.
 Forests: Nuevo Leon an Nayarit and
 to Quintana Roo.
- ORCUTTIA Vasey Festuceae
 Five species in California and Baja California.
691. *O. californica* Vasey
 California and Baja California, native.
 Vernal pools: Baja Norte
692. *O. fragilis* Swallen
 Mexico, endemic.
 Vernal pool: Baja Sur
- ORTHOCLADA Beauv. Eragrosteae
 Monotypic.
693. *O. laxa* (L. Rich.) Beauv.
 Mexico, south to Peru and Brazil, native.
 Tropical forest margin: Oaxaca, Veracruz, Chiapas and
 Tabasco.
- ORYZA L. Oryzeae
 Twenty-nine species, pantropical.
694. *O. alta* Swallen
 Mexico to Paraguay, native.
 Aquatic: Tabasco, Chiapas and Campeche
695. *O. latifolia* Desv.
 Mexico and West Indies south to Paraguay and Brazil,
 native.
 Aquatic: Sinaloa, Nayarit, Jalisco, Colima, Oaxaca,
 and Campeche
696. *O. perennis* Moench.
 West Indies, Mexico, Brazil, native.
 Aquatic: Oaxaca, Veracruz and Chiapas.
697. *O. sativa* L.
 Introduced.
 Cultivated:
- ORYZOPSIS Michx. Stipeae
 Twenty species, temperate, worldwide.
698. *O. florulenta* Pilger
 Mexico to Colombia, native.
 Central mountains: Mexico, Tlaxcala and Puebla.
699. *O. hymenoides* (R. & S.) Ricker
 U. S. and Mexico, native.
 Sandy soil: Baja Norte.
- OTATEA (McClure & Calderon & Soderstrom
 to species in Mexico.
- 699a. *O. acuminata* (Munro) Calderon & Soderstrom
 Central Mexico, endemic.
- 699b. *O. fimbriata* Calderon & Soderstrom
 Central and Mexico, endemic.

PANICUM L.

Paniceae

Probable 500 species, pantropical and subtropical, occasional temperate.

700. P. aciculare Desv. var. aciculare
United States, Mexico, Honduras and northern South America.
Nativa, grasslands.
- 700a. P. aciculare var. arenicoloides (Ashe) Beetle
- 700b. P. aciculare var. ovinum (Scribn. & Smith) Beetle
Reported from Veracruz.
701. P. acuminatum Sw. var. acuminatum.
- 701a. P. acuminatum var. implicatum (Scribn.) Beetle
- 701b. P. acuminatum var. lindheimeri (Nash) Fernald
- 701c. P. acuminatum var. pilosum (Torr.) Beetle
702. P. (Dichanthelium) albomaculatum Scribn.
Mexico and Guatemala, native.
Rocky hills: Jalisco, Michoacan and Mexico also Nuevo Leon Tamaulipas and Hidalgo.
703. P. altum Hitchc. & Chase
Mexico to Panama, native.
Reported from Quintana Roo.
704. P. amarulum Hitchc. (# Virgata)
U. S., Bahama, Cuba and Mexico, native.
Coastal dunes: Veracruz, Chiapas, Tabasco, Campeche and Quintana Roo.
705. P. amarum Ell. (# Virgata)
U. S. and West Indies and Mexico.
Coastal dunes: "eastern coast of Mexico" acc. to Gould: Grasses of Texas.
706. P. antidotale Retz. (# Maxima)
Introduced.
Cultivated and escaped: scattered localities throughout Mexico.

707. P. arundinariae Trin. (# Parviglunia)
Mexico to Panama, native.
"Southern Mexico" according to Swallen: Grasses of
Gautemala. Also reported for San Luis Potosi by
Hernandez-X; Veracruz. Veracruz, Oaxaca, Chiapas.
708. P. bartlettii Swallen (# Trichoidea)
Mexico, Guatemala and British Honduras, native.
Moist woods: San Luis Potosi, Hidalgo, Veracruz, Oaxaca,
Chiapas, Campeche and Quintana Roo.
709. P. biglandulare Scribn. & Smith (# Stolonifera)
Mexico and Guatemala, native.
Pine-oak savanna: Guerrero, Oaxaca and Chiapas.
710. P. boliviense Hack.
Mexico to Argentina, native.
Woods: Tamaulipas, San Luis Potosi, Veracruz, Oaxaca,
Chiapas and Tabasco.
711. P. breviraosum Swallen
Mexico and Guatemala, native.
Pine savanna: Chiapas, acc. to Gould.
712. P. bulbosum HBK (# Maxima)
U. S., Mexico, Guatemala, Colombia, Ecuador, native.
Brush: throughout Mexico excep for Baja California Norte
and the Yucatan Peninsula.
713. P. (Dichantherium) caerulescens Hack.
U. S., Cuba and Mexico, native.
Marshes: Quintana Roo.
714. P. capillare L. (# Capillaria)
U. S. and Mexico, native.
Weedy: northern border states, Baja California Norte, Sonora
and Coahuila.
715. P. capillarioides Vasey (# Difusa)
Grassland: Texas and northern Mexico, native.
Sandy soil: Nuevo Leon, Tamaulipas and San Luis Potosi.

716. P. cayennense Lam. (# Capillaria)
Mexico and West Indies to Panama and northern S. America,
native. Oaxaca, Veracruz and Campeche.
717. Panicum clavum Sohns
Mexico, native, endemic.
States of Hidalgo and Mexico.
718. P. coloratum L.
Introduced.
Cultivated: Sonora, Coahuila.
719. P. (Dichantherium) commutatum Schult.
U. S. and Mexico.
Brush: Tamaulipas, Jalisco south to Chiapas.
- 719a. P. commutatum var. joorii (Vasey) Fernald
720. P. cordovense Fourn.
Mexico, endemic.
Brush: Veracruz, Hidalgo.
721. Panicum crateriferum Sohns.
Mexico, native, endemic.
Known only from Guerrero.
722. P. cupreum Hitchc. & Chase (# Laxa)
Mexico, endemic.
Brush: Mexico (type loc.) and Durango.
723. P. cyanescens Nees
Mexico, Central America to Peru and Brazil, native.
Stream bottoms: Chiapas and Tabasco.
724. P. decolorans HBK (# Capillaria)
Mexico and Central America, native.
Brush: Chihuahua, Sinaloa, Coahuila, San Luis Potosi,
south to Chiapas.
- 724a. Panicum decolorans HBK var. parcum (Hitchc. & Chase) Beetle
Mexico, native, endemic.
Central states.
725. Panicum dichotomum L. var. dichotomum
United States and Mexico, native & various Island of the Caribbean.
Woods, wet sandy soils, Hidalgo south to Chiapas.
- 725a. Panicum dichotomum var. tenuis (Muhl.) Beetle
Dichantherium dichotomum var. tenuis (Muhl.) Gould
and Clark, Ann. Missouri Bot. Gard 65:1119. 1878.
Coastal plain of eastern United States and west to
Texas and southern Mexico. Reported from Chiapas.
P. dichotomiflorum Michx. (# Dichotomiflora)
Canada, U.S., and West Indies, Mexico, native.
Weedy: Chihuahua to Colima.
726. Panicum diffusum Sw. (# Diffusa)
U.S. and West Indies, Mexico to Brazil, native.
Weedy: Coahuila, Nuevo Leon and Tamaulipas.
727. P. (Dichantherium) ensifolium Baldw.
U. S. and Mexico, native.
Bogs: Chihuahua, Hidalgo and Chiapas.
728. Panicum filipes Scribn.
Texas and Mexico, native.
Grasslands, Coahuila, Nuevo Leon and Tamaulipas
south to Oaxaca.
729. P. frondescens Meyer (# Stolonifera)
Mexico and Central America to northern Argentina, native.
Woods: Veracruz, Oaxaca, Chiapas and Tabasco.

730. *P. ghiesbreghtii* Fourn. (# Diffusa)
U.S., West Indies, Cuba and Mexico to northern
South America, native.
Brush: Throughout Mexico, except for Baja California.
731. *P. glutinosum* Sw.
Mexico, West Indies to Argentina, native.
Forests: Hidalgo south to Chiapas.
732. *P. gouninii* Fourn. (# Virgata)
U. S. and Mexico, native.
Coastal: Veracruz.
733. *P. hallii* Vasey (# Diffusa)
U. S. and Mexico, native.
Clay soils: northern border states (except for Baja
Calif.) south to Hidalgo.
734. *P. havardii* Vasey (# Virgata)
U. S. and Mexico, native.
Sandy soil: Chihuahua.
735. *P. hians* Ell. (# Laxa)
U. S. and Mexico, south to Panama, native.
Coastal plain: Tamaulipas and Veracruz; also Nayarit,
Jalisco, Guanajuato and Michoacan.
736. *P. hintoni* Swallen
Mexico endemic.
Central mountains: Mexico (type loc.).
737. *P. hirsutum* Sw. (# Diffusa)
West Indies and Mexico south to Brazil, native.
Sandy soil: Colima, San Luis Potosi south to Campeche.
738. *P. hirticaule* Presl (# *Capillaria* Var. *hirticaule*)
U. S. Cuba and Mexico south to Argentina, native.
Weedy: common throughout Mexico.
- 738a. *Panicum hirticaule* var. *miliaceum* (Vasey) Beetle
United States and Mexico
Common in Baja California and Sonora.
- 738b. *Panicum hirticaule* var. *pamminosum* (Hitchc. & Chase)
Beetle Mexico and Guatemala, native.
Sonora and Chihuahua south to Oaxaca.
- 738c. *Panicum hirticaule* var. *stramineum* (Hitchc. & Chase) Beetle
U.S. and Mexico, native.
Sonora, Sinaloa, Durango, Nuevo Leon, Nayarit,
Michoacan and Guerrero.
739. *Panicum hirtum* Lam.
Mexico and Belice south to South America.
Native, reported from Oaxaca and Chiapas.
740. *P. ichnanthoides* Fourn.
Mexico and Central America, native.
Dry slopes: Jalisco, Querétaro, Puebla, Veracruz and Chiapas.
741. *P. (Dichanthelium) laxiflorum* Lam.
U. A. and Mexico, native.
Nuevo Leon and Tamaulipas south to Chiapas.
742. *P. laxum* Sw.
West Indies, Mexico, Central America to Paraguay, native.
Coastal brush Sinaloa south to Chiapas; Tamaulipas and
San Luis Potosi south to Yucatan.
743. *P. lepidulum* Hitchc. & Chase (#Diffusa)
Mexico and Guatemala, native.
Weedy: Sonora, Chihuahua and Coahuila south to Chiapas.

744. Panicum leucoblepharis Trin. var. nubescens (Vasey) Beetle
United States and Mexico;
Wet depressions, Veracruz, Oaxaca, and Chiapas.
745. P. longum Hitchc. and Chase (# Laxa)
Mexico, endemic.
Brush: Veracruz (type loc.).
746. Panicum macrospermum Gould
Mexico, native, endemic.
Reported from San Luis Potosi and Queretaro.
747. P. maximum Jacq. (# Maxima)
Introduced.
Cultivated and escaped: common throughout Mexico except
for Baja California.
748. P. mertensii Roth
Mexico and Central America south to Argentina, native.
Swamps: Tabasco, Jalisco.
749. P. (Dichantherium) nodatum Hitchc. and Chase
Texas and Tamaulipas, native.
Grassland: Tamaulipas.
750. P. obtusum HBK
U. S. and Mexico, native.
Grasslands: northern border states south to Puebla.
751. P. oligosanthes Schult.
U. S. to northern Mexico, native.
Woodlands:
- 751a. Panicum oligosanthes var. scribnerianum (Nash) Fernald
U. A. and Mexico, native.
Brush: Sonora, Chihuahua and Coahuila.
752. P. olivaceum Hitchc. & Chase
Mexico, Central America and Venezuela.
Pine savanna: Veracruz, Oaxaca and Chiapas.
753. Panicum ovale Elliott var. addisonii (Nash)
Eastern United States and Mexico.
Common in oak or oak-pine forest, Nuevo Leon and
Tamaulipas south to Chiapas.
Dichantherium ovale (Elliott) Gould and Clark
Var. addisonii (Nash) Gould and Clark, Brittonia 32:360.1980.
754. P. parviglume Hack. (#Parviglume)
Mexico, Guatemala, British Honduras and Costa Rica,
Native.
Pine-oak savanna: Veracruz and Chiapas.
755. P. (Dichantherium) pedicellatum Vasey
Texas and Mexico, native.
Limestone: Coahuila, Nuevo Leon, Tamaulipas and Hidalgo.
756. P. pilcomayense Hack.
Introduced: (S.E. Texas and N.E. Mexico).
Cultivated: Nuevo Leon.
757. P. pilosum Sw. (# Laxa)
Mexico and West Indies to Argentina, native.
Swamps: Nayarit, San Luis Potosi, Veracruz, Guerrero, Oaxaca.
Chiapas, Tabasco and Quintana Roo.
758. P. plenum Hitchc. & Chase (# Maxima)
U. S. and Mexico, native.
Grassland: Sonora, Chihuahua, Coahuila, Durango, Guerrero
and Veracruz.

759. *P. polygonatum* Scharad. (# Laxa).
Southern Mexico to Paraguay, native.
Stream bottoms: Veracruz, Oaxaca and Chiapas.
760. *P. (Dichantherium) pseudonubescens* Nash
U. S., Mexico and Guatemala, native.
Oak-savanna: San Luis Potosi.
761. *P. pulchellum* Raddi (# Stolonifera)
Mexico, British Onduras, Martinique to Bolivia and
Brazil, native.
Streambottoms: Veracruz, Oaxaca and Chiapas.
762. *P. repens* L.
Introduced from Europe.
Reported from Tamaulipas and Veracruz.
763. *P. rigidulum* Nees (# Acrostoida)
U. S., West Indies and Mexico, native.
Streambanks: Coahuila, Veracruz and Chiapas.
764. *P. rudgei* R. & S.
Mexico, Jamaica and Trinidad to Bolivia and Brazil,
native.
Brush: Tabasco.
765. *P. rugulosum* Trin.
Mexico to Brazil, native.
Swamps: Veracruz, Oaxaca, Chiapas and Tabasco.
766. *P. sabulorum* var. *patulum* (Scribn. & Merr.).
P. nashianum var. *patulum* Scribn. & Merr.
767. *P. schiffneri* Hack. (# Parviolumia)
Mexico to Brazil, native.
Streambanks: Veracruz, San Luis Potosi, Guanajuato,
Mexico and Chiapas.
768. *P. schmitzii* Hack. (# Parviolumia)
Mexico, endemic.
Brush: San Luis Potosi, Veracruz and Oaxaca.
769. *P. sellowii* Nees
Mexico and West Indies south to Paraguay and Argentina,
native.
Brush: Veracruz, Oaxaca, Chiapas and Tabasco.
770. *P. (Dichantherium) sohaerocarpon* Ell.
U. S. and Mexico south to Venezuela, native.
Open slopes: northern border states south to Chiapas.
771. *P. stagnatile* Hitchc. and Chase
Mexico and Central America, native.
Swamps: Veracruz, Chiapas and Tabasco.
772. *P. stoloniferum* Poir. (# Stolonifera)
Southern Mexico and Guatemala south to Argentina,
native. Swamps: Chiapas.
773. *P. succosum* Hitchc. and Chase
Mexico, endemic.
Ponds: Jalisco (type loc.) and Mexico.
774. *Panicum tenerum* Beyr.
Southeastern U. S., West Indies, Belize.
Reported from Quintana Roo.
775. *P. transiens* Swallen
Mexico and Guatemala, native.
Mountain mesa: Nuevo Leon and Tamaulipas (type loc.);
also Hidalgo.

776. P. trichanthum Nees (# Trichoidea)
Mexico and West Indies to Paraguay, native.
Swamps: Colima, San Luis Potosi, Veracruz, Oaxaca,
Campeche and Quintana Roo.
777. P. trichoides Swartz (# Trichoidea)
Mexico and West Indies South to Peru and Brazil.
Coastal plain, thickets: Sonora south to Chianas;
San Luis Potosi south to Yucatan.
778. Panicum turckheimii Hack.
Mexico and Guatemala
Reported from Chiapas (Palenque).
779. P. vaseyanum Scribn. (# Dichotomiflora)
Mexico, endemic.
Brush: Chihuahua, Aguascalientes, Jalisco and Michoacan.
780. P. venosum Swallen
Mexico, endemic.
Ditch: Michoacan (type loc.)
781. P. virgatum L. (# Virgata)
U. S. and Mexico, native.
Grassland: Sonora, Baja California Sur, Chihuahua,
Jalisco, Nayarit, Oaxaca and Chianas.
782. P. (Dichanthelium) viscidellum Scribn.
Mexico, Central America and Colombia, native.
Pine savanna: Veracruz.

PAPPOPHORUM Schreb.

Pappophoreae

Ten species in the Americas.

783. P. bicolorourn.
U.S. and Mexico, native.
Grassland: Chihuahua, Coahuila, Nuevo Leon,
Tamaulipas, San Luis Potosi, Mexico and Veracruz.
784. P. pappiferum (Lam.) Kuntze
Mexico and South America, native.
Brush: Veracruz and Oaxaca.
785. P. subbulbosum Arech.
Mexico and South America, native.
Brush: Sonora.
786. P. vaginatum Buckl.
U. S. and Mexico, native.
Brush: Sonora, Chihuahua, Coahuila, Nuevo Leon, Durango
and Zacatecas.

- PARAPHOLIS Hubb. Monerneae
 Five or 6 species, Old World.
787. *P. incurvus* (L.) C. E. Hubb.
 Introduced.
 Sea marshes: Baja Norte.
- PASPALIDIUM Stapf Paniceae
 Five or 6 species, Old World.
788. *P. geminatum* (Forsk.) Stapf var. *geminatum*
 Introduced.
 Aquatic: scattered localities throughout Mexico.
- 788a. *P. geminatum* var. *paludivagum* (Hitchc. and Chase)
 Gould
 U. S. and Mexico south to Argentina, native.
 Swamps: Jalisco and Michoacan; also Tamaulipas
- PASPALUM L. Paniceae
 Four hundred species in tropics and subtropics,
 worldwide.
789. *P. acuminatum* Raddi
 U. S. and Mexico south to Argentina, native.
 Aquatic: Michoacan and Morelos.
790. *Paspalum acutum* Chase
 Mexico and Panama, native.
 Irrigation ditches, reported from Veracruz.
791. *P. adoperiens* (Fourm.) Chase
 Mexico and Central America, native.
 Aquatic: Veracruz (type loc.) Oaxaca and Chiapas.
792. *P. affine* Steud.
 Mexico and Guatemala, native.
 Swamps: Veracruz, Chiapas, Hidalgo and Oaxaca.
793. *P. alcalinum* Mez
 Mexico to Paraguay and Argentina, native.
 Swamps: San Luis Potosi (type loc.), Jalisco and Chianas
794. *P. arsenei* Chase
 Mexico, endemic.
 Mountain slopes: Aguascalientes and San Luis Potosi
 south to Oaxaca.
795. *P. blodgettii* Charn.
 U. S., Mexico, West Indies and Central America, native.
 Yucatan Peninsula

796. P. botterii (Fourn.) Chase
Mexico and Central America, native.
Swamps: Sonora south to Chiapas, Nuevo Leon south to Yucatan.
797. P. caespitosum Flugge
U. S., West Indies, Mexico and Central America, native.
Pine savanna: Tamaulipas and Nuevo Leon, Veracruz, Chiapas, Tabasco and the Yucatan Peninsula.
798. P. candidum (Humb. & Bonpl.) Kunth
Southern Mexico to Chile, native.
Weedy: Michoacan, Morelos, Guerrero, Veracruz and Chiapas.
799. P. clavuliferum Wright
Mexico and Central America to Brazil, native.
Brush: Sinaloa, Nayarit, Jalisco, Colima, Oaxaca, Chiapas and Yucatan.
800. P. conjugatum Bergius
U. S. and Mexico to Argentina, native.
Tropical forest margin: Sinaloa south to Chiapas; Nuevo Leon and Tamaulipas south to Quintana Roo.
- 800a. P. conjugatum var. parviflorum Doell.
Coastal: same distribution as the species.
- 800b. P. conjugatum var. pubescens Doell.
Mexico to Brazil, native.
Tropical forest margin: San Luis Potosi, Veracruz, Hidalgo, Chiapas and Campeche.
- 800c. Paspalum conjugatum forma tristachya (Vanderyst) Beetle
Scattered locations throughout the range of the species.
In Mexico reported from Jalisco, Guerrero, Tabasco and Oaxaca.
801. P. conspersum Schrad.
Southern Mexico to Argentina, native.
Marshes: Nayarit, Jalisco and Morelos, San Luis Potosi, Veracruz and Oaxaca.
802. P. convexum H. & B.
Mexico, Caribbean to Brazil, native.
Oak brush: Sonora and Chihuahua south to Chiapas.
803. P. crassum Chase
Mexico, endemic.
Brush: Jalisco, Colima (type loc.), Michoacan and Mexico, also Guerrero and Chiapas.
804. P. crinitum Chase
Mexico, endemic.
Brush: Coahuila and Nuevo Leon, San Luis Potosi (type loc.), Jalisco and Puebla.
805. P. culiacanum Vasey
Mexico, endemic.
Mountains: Sinaloa.
806. P. cymbiforme Fourn.
Mexico and Central America, native.
Brush: Mexico (type loc.) and Veracruz, Oaxaca, Chiapas.
807. Paspalum densum Poir.
West Indies, Panama, Brazil and Bolivia, Native.
Reported for Isla Guadalupe.

808. *P. dilatatum* Poir.
Introduced, Ditches Veracruz, Michoacan, Baja California Norte.
809. *P. distichum* L.
U. S. and West Indies south to Argentina, native.
Ditches: Throughout Mexico except for the Yucatan Peninsula.
810. *P. erectum* Chase
Mexico, endemic.
Colima (type loc.), and Jalisco.
811. *P. fasciculatum* Willd.
Mexico south to Argentina, native.
Swamps: Veracruz, Oaxaca, Chiapas, Tabasco and Campeche.
812. *P. fimbriatum* HBK
Introduced?
Weedy: Yucatan and Quintana Roo, Baja California (Isla Guadalupe)
813. *P. guayanarum* Beetle
Mexico, endemic.
Ledges: Sinaloa (type loc.) and Nayarit.
814. *P. hartwegianum* Fourn.
Southern Texas and Mexico, native.
Ditches: scattered localities throughout Mexico except Baja California.
815. *P. heterotrichon* Trin.
Mexico south to Brazil, native.
Ditches: Chiapas.
816. *P. humboldtianum* Flugge var. *humboldtianum*
Mexico to Panama, western South America to Argentina,
native.
Pine forests: throughout Mexico except for the Yucatan
Peninsula and Baja California.
- 816a. *Paspalum humboldtianum* Flugge var. *elegantissima* Beetle
Mexico, endemic.
Pine or oak woods, Jalisco, Michoacan, Guerrero,
Morelos, and Colima.
817. *Paspalum intermedium* Munro
Mexico south to Peru, native.
Swamps: Nayarit, Veracruz (type loc. for *P. plenum*)
and Tabasco.
818. *P. jaliscanum* Chase
Mexico to Guatemala, native.
Pine forests: Nayarit, Jalisco (type loc.), Michoacan, San Luis
Potosi, Puebla, Veracruz and Chiapas.
819. *P. langei* (Fourn.) Nash
U. S., West Indies and Central America, native.
Brush: lowland areas of Mexico (absent from the
central plateau and Baja California).
820. *P. lentiginosum* Presl
Mexico and Guatemala, native.
Swamps: Baja California Sur, Sonora, south to Chiapas; also
Yucatan.
821. *P. leptachne* Chase
Mexico, endemic.
Brush: Nayarit (type loc.).
822. *Paspalum lineare* Trin.
Mexico, West Indies, Central America and
Argentina, native.
Reported from Chiapas and Tabasco.

823. *P. lividum* Trin.
U. S. and West Indies south to Argentina, native.
Ditches: scattered localities throughout Mexico except
for the Yucatan Peninsula and Baja California
824. *P. longispes* Nash
Mexico, endemic.
Swamps: west coast, Nayarit south to Oaxaca (type loc.
Jalisco), also Campeche.
825. *Paspalum longum* Chase
Native, endemic.
Described from Socorro Island, Colima.
826. *Paspalum luxurians* Guzman and Rico
Mexico, native, endemic.
Reported from Jalisco and Nayarit.
827. *P. malacophyllum* Trin.
Mexico south to Argentina, native.
Swamps: San Luis Potosi, Veracruz, Chiapas and Yucatan.
828. *P. mayanum* Chase
Mexico, endemic.
Swamps: Yucatan (type loc.) and Chiapas.
829. *Paspalum melanospermum* Desv.
Mexico to Brazil, native.
Collected on Isla Guadalupe.
830. *P. millegrana* Schrad.
Mexico south to Brazil, native.
Swamps: Nayarit, Tamaulipas, Veracruz, Chiapas, Tabasco
and Yucatan.
831. *P. minus* Fourn.
Texas, West Indies south to Paraguay, native.
Swamps: Guanajuato, Michoacan, Oaxaca, Veracruz, Chiapas
and Tabasco.
832. *Paspalum monostachyum* Vasey
Southeastern U.S. and Mexico, native.
Reported for Veracruz.
833. *P. multicaule* Poir.
Mexico, West Indies to Brazil, native.
Pine woods: Veracruz, Nayarit, Mexico and Oaxaca
834. *P. mutabile* Chase
Mexico, endemic.
Brush: Coahuila, Nuevo Leon, Tamaulipas south to Oaxaca.
835. *P. nelsoni* Chase
Mexico, endemic.
Brush: Chiapas (type loc.), Nayarit.
836. *P. notatum* Flugge
U. S. (where introduced?), Mexico, West Indies
south to Argentina (where native?).
Swamps: Lowland, Mexico except for Baja California.
837. *Paspalum nutans* Lam.
Mexico to Brazil, native.
Collected on Isla Guadalupe.
838. *P. orbiculatum* Poir
Mexico and West Indies south to Paraguay, native.
Swamps: Sinaloa, San Luis Potosi, Guerrero, Veracruz, Chiapas
and Tabasco.

839. P. palmeri Chase
Mexico endemic.
Brush: Sonora (type loc.)
840. P. paniculatum L.
Mexico and West Indies south to Argentina, native.
Swamps: Sonora & Baja California Sur south to Chianas
and eastern San Luis Potosi
southward through the Yucatan Peninsula.
841. P. paucispicatum Vasey
Mexico, endemic.
Brush: Sonora, Chihuahua and Nuevo Leon south to
Oaxaca; also Campeche.
842. P. pectinatum Nees
Mexico to southern Brazil, native.
Pine woods: Sinaloa south to Tabasco.
843. P. plicatulum Michx.
U. S. and West Indies south to Argentina, native.
Thickets: Sinaloa south to Chiapas, Nuevo Leon and
Tamaulipas south to Tabasco.
844. P. prostratum Scribn. & Merr.
Mexico, endemic.
Southern Durango south to Chiapas.
- 844a. Paspalum prostratum var. pygmaeum Scribn & Merr.
- 845a. P. pubiflorum Rupr. var. arsenni
U. S., Cuba and Mexico, native.
Swamps: northern border states south to Oaxaca and
Veracruz.
- 845b. P. pubiflorum var. tinctum
846. Paspalum pulchellum Kunth
Mexico and West Indies south to Brazil, native.
reported from Oaxaca.
847. Paspalum pygmaeum Hack.
Mexico, Peru, Venezuela, Bolivia and Argentina, native.
Reported From Jalisco, Michoacan, Morelos and Veracruz.
848. P. repens Bergius
Southern Mexico to northern Argentina, native.
Aquatic: Tabasco, Chiapas and Campeche.
849. Paspalum saccharoides Nees
Mexico Central America south to Bolivia, native.
Collected on the Isla Guadalupe.
850. Paspalum secans Hitchc. & Chase
Mexico and West Indies, native.
Collected on Isla Guadalupe.
851. P. setaceum Michx. var. setaceum
U. S. and Mexico, native.
Tamaulipas, Veracruz and Chiapas.
- 851a. P. setaceum Michx. var. ciliatifolium (Michx.) Vasey
U. S. and Mexico, native.
Chihuahua and Veracruz.
- 851b. Paspalum setaceum Michx. var. dispar Guzman
Mexico, native, endemic.
Reported from Oaxaca.

852. *P. sparsum* Chase
Mexico, endemic.
Brush: Yucatan and Campeche.
853. *P. squamulatum* Fourn.
Mexico and Central America, native.
Oak woods: Baja Sur and Sinaloa south to Chiapas.
854. *P. stellatum* Humb. & Bonpl.
Southern Mexico to Argentina, native.
Sandy soils, pine woods: Oaxaca and Chiapas.
855. *P. tenellum* Willd.
Mexico south to Brazil, native.
Sonora, Aguascalientes, Jalisco, Michoacan, Mexico, Morelos and Chiapas.
856. *P. tinctum* Chase
Mexico and Guatemala, native.
Nayarit, Jalisco, Guanajuato (type loc.), Michoacan and Morelos.
857. *P. umbratile* Chase
Mexico and Central America, native.
Shady Banks: Nuevo Leon, Tamaulipas, Veracruz and Yucatan.
858. *P. unispicatum* (Scribn. & Merr.) Nash
Mexico, endemic.
Jalisco, Nuevo Leon, Tamaulipas south to Chiapas (type loc.: Oaxaca).
859. *P. urvillei* Steud.
Introduced.
Nuevo Leon, Aguascalientes, Michoacan & Mexico.
860. *P. vaginatum* Sw.
U. S., West Indies south to Argentina and Chile, native.
Coastal: Baja California Sur, Baja California Norte, Sonora, south to Chiapas; Tamaulipas south to Yucatan Peninsula.
861. *P. variabile* (Fourn.) Nash
Mexico, endemic.
Wood: Nuevo Leon and Tamaulipas south to Veracruz and Chiapas.
862. *P. virgatum* L.
U. S. and West Indies south to Argentina, native.
Swamps: Nayarit, Jalisco, San Luis Potosi and Tamaulipas south to Chiapas and Tabasco.
863. *P. virletii* Fourn.
Mexico, endemic.
Brush: Sonora, San Luis Potosi (type loc.) and Veracruz.

PENNISETUM L.

Paniceae

Eighty species, tropics and subtropics, worldwide.

864. *P. americanum* (L.) Schum.
Introduced and cultivated.
Reported from Nuevo Leon and Mexico.
865. *P. bambusiforme* (Fourn.) Hensl.
Mexico and Central America south to Peru, native.
Dry banks: San Luis Potosi, Michoacan, Veracruz (type loc.), Hidalgo, Oaxaca and Chiapas.

866. P. clandestinum Host.
Introduced.
Commonly cultivated: Throughout Mexico.
867. P. complanatum (Nees) Hensl.
Mexico and Central America, native.
Pine-oak forests: Sinaloa, south to the Yucatan Peninsula.
868. P. crinitum (HBK) Spreng.
Mexico, endemic.
Brush: Sinaloa, Durango, San Luis Potosi, Nayarit, Jalisco, Guanajuato, Michoacan, Mexico, Veracruz and Guerrero.
869. P. distachyum (Fourn.) Rupr.
Guerrero, Puebla, Mexico and Central America, native.
Veracruz and Oaxaca.
870. P. durum Beal
(including P. pringlei Leeke)
Mexico, endemic.
Chihuahua.
871. P. nervosum (Nees) Trin.
Mexico, Guatemala, Ecuador and Brazil to Argentina,
native.
San Luis Potosi, Veracruz and Chiapas.
872. P. orientale Rich.
Introduced, cultivated, gardens, throughout Mexico.
873. Pennisetum prolificum Chase
Mexico, endemic.
Tropical forest margin: Veracruz (type loc.),
Guerrero and Oaxaca.
874. P. purpureum Schum.
Introduced.
Cultivated and escaped: Nuevo Leon south to Chiapas
and Tabasco.
875. P. setosum (Sw.) L. Rich.
U.S., West Indies and Mexico south to Bolivia and
Brazil, native.
Pine woods: Sinaloa south to Chiapas; Tamaulipas,
Veracruz, Mexico.
876. P. villosum R. Br.
Introduced.
Cultivated: Sinaloa, Durango, Coahuila, Nuevo Leon,
Zacatecas, Aguascalientes, Jalisco, Mexico, Tamaulipas
Chiapas.

PENTARRHAPHIS HBK

Chlorideae

Two species in Mexico and Central America.

877. Pantarraphis fourmierana Vasey
Mexico, native, endemic.
Jalisco, Guerrero, Oaxaca, Mexico, Morelos.
878. P. polymorpha (Fourn.) Griffiths
Mexico, endemic.
Rocky places: Sinaloa and Durango south to Oaxaca.
879. P. scabra HBK
Mexico, Central America, Colombia, native.
Rocky slopes: Querétaro (type loc.), Oaxaca,
Chiapas and Tabasco.

- PEREILEMA Presl Eragrosteae
 Three species, Mexico, Central America and northern
 South America.
880. *P. ciliatum* Fourn.
 Mexico, endemic.
 Shady banks: Sinaloa, Jalisco, Guanajuato, Mexico, Morelos,
 Veracruz (type loc.) and Chiapas.
881. *P. crinitum* Presl
 Mexico and Central America south to Colombia,
 Ecuador and Brazil, native.
 Shady banks: Baja California Sur, Sonora, Chihuahua
 south to Chiapas.
- PEYRITSCHIA Fourn. Aveneae
 Monotypic.
882. *P. koelerioides* Fourn.
 Mexico, endemic.
 Dry slopes: Durango, Guanajuato, Michoacán, México
 (type loc.), Morelos, Hidalgo, Puebla and Oaxaca.
883. *Peyritschia pringlei* (Scribn.) Koch
 Mexico & Central America.
 Sierra Madre: Sonora and Chihuahua south to Puebla.
- PHALARIS L. Phalarideae
 Twenty species, mostly northern hemisphere, subtemperate.
884. *Phalaris angusta* Nees
 Savanna areas of North and South America.
 Reported for Baja California Norte.
885. *Phalaris aquatica* L.
 Introduced, cultivated.
 Forage trials at experiment stations, e.g. Chihuahua.
886. *P. arundinacea* L.
 Introduced.
 Cultivated: reported in Chihuahua; Baja California Norte.
887. *P. canariensis* L.
 Introduced.
 Cultivated and escaped: scattered localities
 throughout Mexico except for Baja California
 and Yucatan Peninsula.
888. *P. caroliniana* Walt.
 U. S. and northern Mexico, native.
 Ditches: Baja California Norte, Sonora, Chihuahua and
 Coahuila.
889. *P. minor* Retz.
 Introduced.
 Weedy: reported for Baja California Norte, Sonora,
 Hidalgo and Mexico.
- PHARUS L. Olyreae
 Eight species in the American tropics.
890. *P. glaber* HBK
 Mexico and West Indies south to northern Argentina, native.
 Tropical woods: Chiapas and Tabasco.

891. P. latifolius L.
Mexico to Peru and Brazil, native.
Moist woods: San Luis Potosi, Mexico, Oaxaca and Veracruz.
892. P. mezii Prodoche
Mexico and West Indies to Brazil, native.
Tropical woods: Veracruz, Michoacan, Guerrero.

PHLEUM L. Aveneae
Four species, temperate regions of the world.

893. P. alpinum L.
Circumboreal and high mountains of the southern hemisphere, native.
Mountain grasslands: Nuevo Leon, Mexico and Puebla, Veracruz (Orizaba)

PHRAGMITES Adans. Arundineae

- Three species, worldwide.
894. P. australis (Cv.) Trin.
Worldwide.
Scattered localities throughout Mexico.

PHYLLOSTACHYS Sieb. Bambuseae
Old World.

895. P. aurea A. & C. Riviere
Introduced.
Commonly cultivated: scattered localities throughout Mexico.

PIPTOCHAETIUM Presl Stipeae

- Ten species, Mexico and Central and South America.
896. P. brevicalyx (Fourn.) Ricker
Mexico, endemic.
Pine woods: San Luis Potosi, Hidalgo, Mexico, Tlaxcala and Veracruz.
897. P. fimbriatum (HBK) Hitchc.
U. S., Mexico and Guatemala, native.
Pine woods: throughout Mexico except Tabasco and the Yucatan Peninsula.
898. Piptochaetium leianthum (Hitchc.) Beetle
Mexico, endemic.
Mountain grassland, Coahuila (type loc.), Nuevo Leon, Tamaulipas and Puebla.
899. Piptochaetium mexicanum (Hitchc.) Beetle
Mexico, endemic.
Central mountains: Mexico and Hidalgo, Puebla.
900. Piptochaetium pringlei (Beal) Parodi
U.S. and Mexico, native.
Rocky slopes, northern border states south to Oaxaca
901. P. stipoides (Trin. & Rupr.) Hack.
Mexico and South America, native.
Pine woods: Nuevo Leon, Tamaulipas, San Luis Potosi, Jalisco & Guanajuato.
902. Piptochaetium virescens (HBK) Parodi
Mexico and Guatemala, native.
Pine woods: Coahuila, Nuevo Leon south to Chiapas.
- 902a. Piptochaetium virescens var. arseni (Hack.) Beetle
Mexico, endemic.
Described from Michoacan.

POA L.

Festúcea

One hundred fifty species, temperate regions,
worldwide.

903. P. albescens Hitchc.
Mexico, endemic.
Mountains: Chihuahua (type locality).
904. P. annua L.
Introduced.
Weedy: common throughout Mexico except for Tabasco and
the Yucatan peninsula.
905. P. bigelovii Vasey and Scribn.
U. S. and Mexico, native.
Ditches: Baja California Norte, Baja California Sur,
Sonora, Chihuahua, Coahuila and Nuevo Leon.
906. Poa coahuilensis Beetle
Mexico, endemic.
Dry slopes: Coahuila (type loc.)
907. P. conglomerata Rupr.
Mexico, endemic.
Central mountains: Mexico, Puebla and Veracruz
908. P. fendleriana (Steud.) Vasey
U. S. and Mexico, native.
Dry slopes: Sonora, Chihuahua, Coahuila
909. P. griffithsii Hitchc.
Mexico, endemic.
Dry slopes: Sonora (type loc.).
910. P. longilicula Scribn. & Williams
U. S. and Mexico.
Dry slopes: Baja California Norte.
911. P. orcuttiana Vasey
California and Mexico, native.
Dry slopes: Baja California Norte, Baja California Sur.
912. P. orizabensis Hitchc.
Mexico, endemic.
Central mountains: Nuevo Leon, Puebla and Mexico; Chiapas.
913. P. pratensis L.
Introduced.
Cultivated: Northern, border States, also Mexico and
Veracruz.
914. P. ruprechtii Rupr.
Mexico, endemic
Coahuila, Nuevo Leon, Tamaulipas and Mexico (type loc.).
915. P. scabrella (Thurb.) Benth.
U. S. and Mexico, native.
Dry woods: Baja California Norte.
916. P. seleri Pilger
Mexico and Guatemala, native.
Mountain: Oaxaca, Chiapas.
917. P. sharovii Swallen
Mexico, endemic.
Shary soil: Veracruz, S.L.P. Mexico, Chiapas.
918. P. strictiramea Hitchc.
Mexico, endemic.
Ledges: Chihuahua (type loc.).

919. Poa tacanae Swallen
Mexico, and Guatemala.
Reported from Chiapas.
920. P. villaroeli Phil.
Mexico and Chile, native.
Mountains: Mexico and Puebla.

POLYPOGON Desf.

Aveneae

- Ten species, temperate, worldwide.
921. Polygonon australis Brongn.
Introduced from Argentina and Chile.
Reported from Baja California Norte.
922. P. elongatus HBK.
Mexico to Argentina, native.
Ditches: Scattered localities throughout Mexico
except for Baja California and Yucatan Peninsula.
923. P. interruptus HBK.
Canada south to Argentina, native.
Ditches: Baja California Norte, Baja California Sur,
Nuevo Leon and the central mountains.
924. P. maritimus L.
Introduced.
Ditches: Baja California Norte and Sonora.
925. P. monspeliensis (L.) Desf.
Introduced.
Ditches: Baja California Norte to Coahuila; Puebla,
Jalisco.

PRINGLEOCHLOA Scribn.

Chlorideae

- Monotypic.
926. P. stolonifera (Fourn.) Scribn.
Mexico, endemic.
Known only from Puebla.

PSEUDECHINOALAENA Stapf

Paniceae

- Monotypic.
927. P. polystachya (HBK) Stapf
Mexico to Paraguay; tropical Africa.
Weedy: Querrero, Mexico, Hidalgo, Puebla, Oaxaca,
Veracruz, Chiapas and Tabasco.
928. Raddia strictiflora (Fourn.) Chase
Mexico, endemic.
Described from "Arroyo Sellero"

REEDEROCHLOA Soderstrom and Decker

Aeluropodeae

- Monotypic.
929. R. eludens Soderstrom and Decker
Mexico, endemic.
Inland salt flats: Durango (type loc.) and San Luis
Potosi.

REIMAROCHLOA Hitchc.

Paniceae

- Four species in the American tropics.
930. R. oligostachya (Munro) Hitchc.
Florida, Cuba and Mexico, native.
Ditches: Colima and Tabasco.

- RHIPIDOCLADUM McClure Bambuseae
 Eleven species in the American tropics.
931. Rhipidocladum bartlettii McClure
 Mexico and Guatemala and Honduras.
 Reported from Chiapas.
932. R. pittieri (Hackel) McClure
 Mexico and Guatemala, native.
 Tropical wood margins: Chiapas and Campeche.
933. Rhipidocladum racemiflorum (Fourn.) McClure
 Mexico and Central America.
 Reported from Sinaloa, Durango, Tamaulipas,
 Nayarit, Oaxaca, Michoacan, and Veracruz.
- RHYNCHELYTRUM Nees Paniceae
 About 35 species, mostly African.
934. R. repens (Willd.) C. E. Hubb.
 Introduced.
 Common roadside weed throughout Mexico.
935. Rottboellia exaltata L.f.
 Introduced from tropical Asia.
 Reported for Campeche.
- SACCHARUM L. Andropogoneae
 About 10 species in the Old World tropics.
936. S. officinarum L.
 Introduced.
 Cultivated in moist lowland areas.
- SACCIOLEPIS Nash Paniceae
 Thirty species, tropical, worldwide.
937. S. myuros (Lam.) Chase
 Mexico and Cuba south to Brazil, native.
 Marshes: Nayarit, Jalisco, Veracruz, Mexico,
 Oaxaca and Chiapas.
938. Sacciolepis striata (L.) Nash
 Southeastern U.S. and Mexico.
 Reported from Tabasco.
- SCHAFFNERA Nash Chlorideae
 Monotypic.
939. S. gracilis Benth
 Mexico, endemic.
 San Luis Potosi (type loc.).
940. Schismus arabicus Nees
 Introduced
 Weedy, Baja California Norte and Sonora.
941. S. barbatus (L.) Thell.
 Introduced.
 Weedy: Baja California Norte and Sonora.
- SCLEROPOGON Phil. Eragrosteae
 Monotypic.
942. S. brevifolius Phil.
 Mexico; also Chile and Argentina, native.
 Dry flats: San Luis Potosi south to Puebla.

943. Scleropogon longisetus Beetle
United States and northern Mexico.
Northern border states south to Guanajuato.
- SECALE L. Hordeae
Five species in temperate Europe and Asia.
944. S. cereale L.
Introduced.
Occasionally cultivated: Nuevo Leon, Mexico, Tlaxcala.
- SETARIA Beauv. Paniceae
One hundred species, both temperate and tropical,
worldwide.
945. Setaria anceps Stapf
Introduced from Africa
Reported for Tabasco and Yucatan.
946. Setaria arizonica Rominger
Southwestern U.S. (Arizona) and
Reported from Sonora
947. S. (Panicum) charmani (Vasey) Pilger
U. S., Bahamas and Mexico, native.
Coastal sand: Yucatan.
948. S. geniculata (Lam.) Beauv.
Subtropics, worldwide, native.
Weedy: common throughout Mexico.
949. S. grisebachii Fourn.
U. S. and Mexico, native.
Weedy: common throughout Mexico.
- 949a. S. grisebachii Fourn. var. yucatan (Herrm.) Rominger
950. S. latifolia (Scribn.) Herrm.
Mexico, endemic.
Brush: Durango (type loc.) Jalisco.
951. S. leucopila (Scribn. & Merr.) K. Schum.
U. S. and Mexico, native.
Banks: northern border states (type loc.: Coahuila)
south to Puebla.
952. S. Liebmannii Fourn.
U. S. and Central America, native.
Weedy: Baja California Sur, Sonora and Chihuahua south to
Chiaras.
953. S. longipila Fourn.
Mexico and Central America, native.
Woods: Nayarit, Durango, Jalisco, Colima and Guanajuato
954. S. lutescens (Wieg.) Hubb.
Introduced.
Reported throughout Mexico
955. S. macrosperma (Scribn. & Merr.) Schum.
U. S., Bahamas and northern Mexico, native.
Moist banks: Tamaulipas, Nuevo Leon and Durango.
956. S. macrostachya HBK
U. S. and Mexico, native.
Moist banks: throughout Mexico (except Baja California Norte
and the Yucatan Peninsula).
957. S. macro Griseb.
U.S., Mexico, Caribbean and Costa Rica, native.
Coastal: Yucatan.

958. S. palmeri Henrard
Mexico, endemic.
Desert brush: Baja California Sur.
959. S. palmifolia (Koen.) Stapf
Introduced.
Cultivated: Sonora and Baja California Sur.
960. S. paniculifera (Steud.) Fourn.
West Indies and southern Mexico to Colombia, native.
Pine woods: San Luis Potosi, Veracruz, Puebla, Oaxaca,
Chiapas and Tabasco.
961. S. poiretiana (Schultes) Kunth
Mexico, Brazil, Peru and Bolivia, native.
Moist banks: Tamaulipas, San Luis Potosi, Hidalgo, Puebla,
Veracruz, Oaxaca and Chiapas.
962. S. ramiseta (Scribn.) Pilger
U. S. and Mexico, native.
Brush: Tamaulipas, Nuevo Leon and Coahuila.
963. S. rariflora Mikan
Mexico and West Indies to Brazil, native.
Tamaulipas.
964. S. scandens Schrad.
Mexico and Central America south to Argentina, native.
Wet banks: Mexico, Oaxaca, Veracruz, Chiapas,
Campeche and Yucatan.
965. S. scheelei (Steud.) Hitchc.
U. S. and Mexico, native.
Chihuahua to Tamaulipas and south to Michoacan, Hidalgo
and Veracruz.
966. S. setosa (Sw.) Beauv.
Introduced?
Reported only from Nuevo Leon.
967. Setaria sphacelata (Schum.) Stapf
Introduced.
Reported: Tabasco & Jalisco.
968. S. tenax (L. Rich.) Desv.
Mexico and West Indies, Central America south to
Argentina, native.
Pine woods: Nuevo Leon, San Luis Potosi, Jalisco,
south to Yucatan.
- 968a. S. tenax var. antrorsa Pominger
Mexico, endemic.
Brush: Yucatan (type loc.) and Veracruz.
969. S. texana Emyr
Texas and Mexico, native.
Shady banks: Tamaulipas and Nuevo Leon.
970. Setaria variifolium (Swallen)
Mexico, endemic.
Yucatan (type loc.) and Quintana Roo.
971. S. verticillata (L.) Beauv.
Introduced.
Common throughout.
972. S. villosissima (Scribn. & Merr.) K. Schum.
Southwestern U. S. and adj. Mexico, native.
Igneous rocks: Sonora, Coahuila, Nuevo Leon and
Tamaulipas.

973. S. viridis (L.) Beauv.
Introduced?
Reported from Sonora, Chihuahua, San Luis Potosi
and Veracruz.
974. S. vulpiseta (Lam.) R. & S.
Mexico and Caribbean to South America, native.
Reported from San Luis Potosi, Veracruz, Oaxaca,
Chiapas and Yucatan.

SETARIOPSIS Scribn. Paniceae

Two species in Mexico and northern South America.

975. S. auriculata (Fourn.) Scribn.
Mexico and Central America, Colombia and Venezuela,
native.
Grassy plains: Sonora and Chihuahua south to the
Yucatan Peninsula.
- 975a. S. laticulmis (Vasey) Scribn.
Mexico, endemic.
Chihuahua (type loc.) south to Chianas.
- 975b. S. auriculata var. depauperata (Fourn.) Beetle

SITANION Raf. Hordeae

Six species in North America.

976. S. longifolium J. G. Smith
U. S. and Mexico, native.
Deserts and mountains: northern border states south
to Puebla.
977. Soderstromia mexicana (Scribn.)
Mexico, endemic.
Ravine: Guerrero.
978. Sohnsia filifolia (Fourn.) Airy-Shaw
Mexico, endemic.
Brush: San Luis Potosi.

SORCHASTRUM Nash Andropogoneae

Fifteen species, temperate and tropical America and
Africa.

979. Sorghastrum albescens (Fourn.) Beetle
Mexico, endemic.
Reported from Veracruz, Nayarit, Jalisco, Morelos
and Chiapas.
980. S. brunneum Swallen
Mexico and Guatemala, native.
Oak woods: Jalisco, Hidalgo, Guerrero, Oaxaca and Chiapas.
981. Sorghstrum elliottii (Mohr) Nash
U. S. Mexico, native.
Reported from Nayarit and Jalisco.
982. S. caleotii Fourn.
Mexico, endemic.
Reported only from Jalisco, Mexico, Veracruz and Chiapas.
983. S. incompletum (Presl) Nash
Mexico to Colombia and Venezuela; tropical Africa, native.
Pine woods: Nayarit south to Oaxaca.
984. S. nudipes Nash
Mexico, endemic.
Pine woods: Chihuahua (type loc.) and Sonora.

985. *S. nutans* (L.) Nash
Canada south to Mexico; South America, native.
Grassy slopes: northern border states south to Chiapas.
986. *S. setosum* (Griseb.) Hitch.
Tamaulipas, S. L. S., Veracruz, Oaxaca, Chiapas, and Tabasco.

SORGHUM Moench.

Andronogoneae

987. Thirty-five species, mostly African.
S. alnum Parodi. Introduced.
Cultivated in Sonora, Chihuahua, Coahuila, Nuevo Leon, Jalisco and Colima.
988. *S. bicolor* (L.) Moench. Introduced.
Cultivated throughout Mexico
989. *S. halepense* (L.) Pers. Introduced.
Common weed throughout Mexico.
990. *S. sudanense* (Piper) Stapf
Introduced, cultivated.
991. *S. trichocladum* (Rupr.) Kuntze
native, Mexico and Central America.
Oak forests: Sinaloa south to Oaxaca (type loc.)

SPARTINA

Chlorideae

992. About 16 species, mostly American.
S. cynosuroides (L.) Roth.
U. S. and Mexico, native.
Atlantic coastal marshes: reported onyl from Tamaulipas.
993. *S. foliosa* Trin.
U. S. and Mexico, native.
Pacific coastal marshes: Baja Norte and Baja Sur.
994. *S. junciformis* Engelm
U. S., Mexico, Central America south to Argentina, native.
Coastal and inland marshes: Coahuila, Nuevo Leon and Tamaulipas south to the Yucatan Peninsula.
995. *S. patens* (Ait.) Muhl.
U. S., West Indies and Mexico, native.
Atlantic coastal marshes: Tamaulipas, Veracruz, Tabasco, Campeche and Quintana Roo.

SPHENOPHOLIS Scribn.

Aveneae

- Five species in North America.
996. *S. obtusata* (Michx.) Scribn.
Alaska and Hudson Bay south to Mexico, native.
Moist places: northern border states south to Oaxaca.
997. *S. airoides* (Torr.) Torr. var. *airoides*
U. S. and Mexico, native.
Alkali flats: northern border states south to Durango and San Luis Potosi.
- 997a. *S. airoides* var. *minor* (Vasey) Beetle
U. S. and Mexico, native.
Alkali flats: northern border states south as far as Mexico and Hidalgo.
998. *S. asper* (Michx.) Kunth
U. S. and Mexico, native.

998. Sporobolus asper (Michx.) Kunth
U. S. and Mexico, native.
Reported for Coahuila
999. Sporobolus asperifolia Nees & Mey
Bicentric, Canada, U.S. and Mexico; also southern
Argentina, native.
Moist flats: Baja California Norte, Chihuahua, Coahuila,
Durango and San Luis Potosi.
1000. S. atrovirens Kunth
Mexico, endemic.
Baja California Sur, Durango to Tamaulipas and south to the Yucatan
Peninsula.
1001. S. bucklevi Vasey
U. S. and Mexico; British Honduras, native.
Shady flats: Nuevo Leon and Tamaulipas south to the
Yucatan Peninsula.
1002. Sporobolus coahuilensis Valdez
Mexico, endemic.
Described from Coahuila.
1003. S. contractus Hitchc.
U. S. and Mexico, native.
Gravel slopes: Baja California Norte, Sonora, Chihuahua,
Coahuila and San Luis Potosi.
1004. S. cryptandrus (Torr.) A. Gray
U. S. and Mexico, native.
Sandy soils: northern border states and Baja California Sur.
1005. S. cubensis Hitchc.
Mexico, West Indies; Central America south to Bolivia, native.
Oaxaca, Chiapas, Veracruz and Tabasco.
1006. S. domingensis (Trin.) Kunth
Florida, Caribbean and Mexico, native.
Beaches: Yucatan and Quintana Roo.
1007. Sporobolus erectus Hitchc.
Mexico, endemic.
Reported from Veracruz (type loc.) and Chiapas.
1008. S. flexuosus (Thurb.) Rydb.
U. S. and northern Mexico, native.
Mesas: Northern border states.
1009. S. giganteus Nash
U. S. and Mexico, native.
Mesas: Chihuahua and Coahuila.
1010. Sporobolus hintoni Hartley
Mexico, endemic.
Described from the State of Mexico.
1011. S. indicus (L.) R. Br.
Mexico and West Indies to Colombia and Brazil, native.
Sandy pine uplands: throughout Mexico.
1012. S. jacquemontii
1013. S. junceus (Michx.) Kunth
U. S. and Mexico, native.
Pine barrens: Veracruz and Chiapas.
1014. S. macrospermus Scribn.
Mexico and Guatemala, native.
Pine-oak: forests: Sinaloa, Nayarit, Zacatecas, Jalisco
(type loc.) south to Chiapas.

1015. *S. nealleyi* Vasey
 U. S. and Mexico, native
 Gypsophilous soils: Coahuila, Nuevo Leon and San Luis Potosi.
1016. *S. palmeri* Scribn.
 Mexico, endemic.
 Alkaline soils: Durango, Coahuila and San Luis Potosi.
1017. *S. patens* Swallen
 U. S. and Mexico, native.
 Known only from Sonora.
1018. *S. pulvinatus* Swallen
 U. S. and Mexico, native.
 Wet gravels: northern border states south to Oaxaca.
1019. *S. purpurascens* (Sw.) Hamilt.
 U. S., West Indies, Mexico; Central America south to Peru, native.
 Salt Flats: Revillagigedo Islands, Tamaulipas, Veracruz, Oaxaca and Chiapas.
1020. *S. pyramidatus* (Lam.) Hitchc.
 U. S., West Indies, Mexico; Central America south to Argentina, native.
 Salt flats: common throughout Mexico.
1021. *S. regis* I.M. Johnston
 Mexico, endemic.
 Salt flats: known only from Coahuila.
1022. *S. spiciformis* Swallen
 Mexico, endemic.
 Known only from Coahuila.
1023. *Sporobolus tenuissimus* (Schrank) Kuntze
 Mexico, Virgin Islands and Brazil.
 Reported from Michoacan.
1024. *Sporobolus tharpii* Hitchc.
 Texas and adjacent Mexico, native.
 Reported only for Tamaulipas.
1025. *S. trichodes* Hitchc.
 Mexico, endemic.
 Chihuahua, Zacatecas, Aguascalientes, Guanajuato, Jalisco (type loc.), Michoacan, Guerrero, Mexico, Morelos and Veracruz.
1027. *S. virginicus* (L.) Kunth var. *virginicus*
 Tropical and subtropical coasts, worldwide.
 Coastal dunes and flats: Baja California, Sonora; Tamaulipas south to the Yucatan Peninsula.
- 1027a. *S. virginicus* var. *major* Drege

STENOTAPHRUM Trin.

Paniceae

1028. *S. secundatum* (Walt.) Ktze.
 Tropics and subtropics, worldwide, native.
 Commonly cultivated throughout Mexico.

- STIPA L. Stipeae
 One hundred fifty species, temperate, worldwide.
1029. S. acuta Swallen
 México, endemic.
 Rocky soils: Carneras Pass, Coahuila.
1030. S. alta Swallen
 México, endemic.
 Desert shrub: known only from Coahuila.
1031. S. bracteata Swallen
 México, endemic.
 Known only from Baja California Norte.
1032. S. clandestina Hack.
 México, endemic.
 Coahuila and Nuevo León, San Luis Potosí, Zacatecas, Aguascalientes, Michoacán, Guanajuato and México.
1033. S. constricta Hitchc.
 México, endemic.
 Rocky slopes: Hidalgo (type loc.), Nuevo León and Tamaulipas south to Oaxaca, Veracruz and México.
- 1034a S. coronata Thurb. var. coronata
 U.S. and México, native.
 Rocky slopes: Reported only from Baja California Norte.
- 1034b S. coronata var. depauperata (Jones) Hitchc.
 U.S. and México.
 Reported from Baja California Norte.
1035. S. diegoensis Swallen
 U.S. and México, native.
 Rocky slopes: Reported only from Baja California Norte.
1036. S. editorum Fourn.
 México, endemic.
 Rocky slopes: Coahuila, Nuevo León and Tamaulipas.
 South to Puebla.
1037. S. eminens Cav.
 U.S. and México, native.
 Rocky slopes: Northern border states, south to Oaxaca.
1038. S. ichu (Ruiz & Pav.) Kunth
 México south to Argentina, native.
 Rocky slopes: Coahuila, San Luis Potosí south to Chiapas.
1039. S. lepida Hitchc.
 U.S. and México, native.
 Rocky slopes: reported only from Baja California Norte.
- 1039a S. lepida var. andersonii Vasey
1040. S. leucotricha Trin. & Rupr.
 U.S. and México, native.
 Grassland: Coahuila, Nuevo León and Tamaulipas south to Oaxaca.
1041. S. linearifolia Fourn.
 México and Guatemala, native.
 Central mountains: type from México "Cerro Tacubaya"
1042. S. linearis Swallen
 México, endemic.
 Rocky slopes: known only from Nuevo León.
1043. S. lobata Swallen
 U.S. and México, native.
 Reported from Coahuila and Chihuahua.

1044. S. mucronata HBK
Mexico south to Argentina and Chile, native.
Mountains: Chihuahua, Coahuila and Nuevo Leon south to Chiapas.
1045. S. multinodis Scribn.
Mexico, endemic.
Mountains: Chihuahua, Coahuila and Nuevo Leon south to Puebla.
1046. S. neomexicana (Thurb.) Scribn.
U. S. and Mexico, native.
Sonora, Chihuahua, Coahuila, Nuevo Leon and San Luis Potosi.
- 1047a. S. pulchra Hitchc. var. pulchra
U. S. and Mexico, native.
Dry slopes: reported only for Baja California Norte.
- 1047b. Stipa pulchra Hitchc. var. cernua (Stebbins & Love)
Beetle and Tofsrud
U. S. and Mexico, native.
Reported from Baja California Norte.
- 1040a. S. robusta (Vasey) Scribn.
U. S. and Mexico, native.
Rocky slopes: Coahuila, Nuevo Leon and Tamaulipas.
- 1040b. S. saxicola Hitchc.
Mexico, native, endemic. Described from Puebla.
1049. S. speciosa Trin. & Rupr.
U. S. and Mexico, southern South America, native.
Rocky slopes: reported only from Baja California Norte.
1050. S. tenuissima Trin.
Mexico; also Chile and Argentina, native.
Rocky slopes: Coahuila, Nuevo Leon, San Luis Potosi, Guanajuato, Veracruz, Puebla and Oaxaca.
1051. S. virletti Fourn.
Mexico, endemic.
Known only from San Luis Potosi.

STIPORYZOPSIS Johnson

Stipeae

Two or three species in North America.

1052. S. bloomeri (Bol.) Johnson
Introduced.
Cultivated: reported only from Coahuila.

STREPTOCHAETA Schrad.

Olyreae

Two species in tropical America.

1053. S. sodiroana Hack.
Mexico south to Ecuador, native.
Tropical forest: reported only from Chiapas.
1054. S. spicata Schrad.
Mexico south to Brazil, native.
Tropical forest: Veracruz and Chiapas.

STREPTOGYNE Beauv.

Streptogyneae

One species in the American tropics

1055. S. americana Hubb.
Mexico and Trinidad south to Brazil, native.
Tropical woods: Veracruz and Chiapas.

THRASYA HBK

Paniceae

Twenty species in the American tropics

1056. *T. campylostachya* (Hack.) Chase
Mexico south to Bolivia, native.
Pine forestes: Veracruz, Oaxaca and Chiapas.

TRACHYPOGON Nees

Andropogoneae

Fifteen species in American tropics.

1057. *T. gouini* Fourn.
Mexico, endemic (introduced in Cuba).
Veracruz (type loc.).
1058. *T. karwinskyi* (Hack.) Nash
Mexico, endemic.
known only from the type locality: "Mexico"
1059. *T. montufari* (HBK) Nees
Mexico and Ecuador, native.
Zacatecas and San Luis Potosi south to Chiapas.
1060. *T. palmeri* Nash
Mexico, endemic.
Known only from Jalisco.
1061. *T. plumosus* (H.&B.) Nees
U. S. south to tropical South America, native.
Reported only from Veracruz.
1062. *T. secundus* (Presl) Scribn.
U. S. and Mexico south to Argentina, native.
Baja California Norte, Sonora and Chihuahua south
to Chiapas and Tabasco.
1063. *Trachypogon stenophyllus* (R. & S.) Hitchc.
Mexico and Central America, native.
Grasslands: San Luis Potosi, Veracruz, Oaxaca,
Chiapas, Tabasco and Campeche.

TRAGUS Hall

Zyzoieae

Three species in tropics and subtropics. worldwide.

1064. *T. berteronianus* Schult.
Introduced.
Northern border states south to Oaxaca.
1065. *Trichoneura elegans* Swallen
Southern Texas and northern Mexico, native.
Reported for northern Tamaulipas.

TRIDENS R. & S.

ERAGROSTEAE

Sixteen North American species.

1066. *T. albescens* (Vasey) Woot. & Standl.
U. S. and Mexico, native.
Swales: Chihuahua, Coahuila, Nuevo Leon and
Tamaulipas.
1067. *T. eragrostoides* (Vasey & Scribn.) Nash
U. S., Cuba and Mexico, native.
Swales: Nuevo Leon, Oaxaca and Yucatan.
1068. *T. flavus* (L.) Hitchc.
U. S. and Mexico, native.
Swales: reported only for Nuevo Leon.

1069. *T. muticus* (Torr.) Nash
 U. S. and Mexico, native.
 Swales: northern border states south to Durango,
 Zacatecas and San Luis Potosi.
1070. *T. texanus* (S. Wats.) Nash
 U.S. and Mexico, native.
 Swales: Coahuila, Nuevo Leon, Tamaulipas and
 San Luis Potosi.

TRINIOCHLOA Hitchc.

Aveneae

- Three American species.
1071. *T. laxa* Hitchc.
 Ravine: reported only for Chihuahua.
1072. *T. micrantha* (Scribn.) Hitchc.
 Mexico, endemic.
 Reported only for Mexico and Morelos (type loc.),
 native.
1073. *T. stipoides* (HBK) Hitchc.
 Mexico south to Bolivia, native
 Pine woods: San Luis Potosi south to Chiapas.
1074. *Triplasis caribensis* (Pohl) Beetle
 Mexico and Honduras.
 Sandy beach, Tabasco.

TRIPOGON Roth

Eragrostae

1075. *T. spicatus* (Nees) Ekman
 U. S., Cuba, Mexico and South America, native.
 Dry banks: Durango, Aguascalientes, San Luis Potosi
 and Veracruz.

TRIPSACUM L.

Andropogoneae

- Nine species in the Americas.
1076. *Tripsacum bravum* Gray
 Mexico, native, endemic.
 Mexico (Type collection) and Jalisco.
1077. *T. dactyloides* (L.) L.
 U. S., West Indies and Mexico, native.
 Grasslands: Coahuila and Nuevo Leon south to Guerrero.
1078. *Tripsacum fasciculatum* Trim.
 Mexico, West Indies, Central and South America,
 native.
 Barrancas, especially near cultivated plots,
 Nayarit, Jalisco, Veracruz, Guerrero, Oaxaca
 and Chiapas.
- 1078a. *Tripsacum floridanum* Porter and Vasey
 Mexico and Florida, native.
 Pine woods Tamaulipas
1079. *T. lanceolatum* Rupr.
 Mexico, Honduras and Panama, native.
 Pine woods: common throughout Mexico.
1080. *T. maizar* Hernandez X and Randolph
 Mexico, endemic.
 Reported only for San Luis Potosi.
1081. *T. pilosum* Scribn. and Merr.
 Mexico, endemic.
 Forest margin: Chihuahua south to Chiapas.

1082. Tripsacum zopilatanse Hernand. and Rand.
Mexico, native, endemic.
Reported from Michoacan and Guerrero.

TRISETUM Pers.

Aveneae

Seventy-five species in temperate regions, worldwide.

1083. T. deveuxioides (HBK) Kunth
Mexico and Central America south to Ecuador, native.
Mountain meadows: Chihuahua and Nuevo Leon south to Chianas.
- 1083a. T. deveuxiostis var. rubescens Scribn.
Mexico, endemic.
Nuevo Leon, San Luis Potosi, Jalisco, Michoacan, Mexico, Guerrero and Veracruz.
1084. T. filifolium Scribn.
Mexico, endemic.
Pine, oak woods: Chihuahua (type loc.) and Durango.
1085. T. interruptum Fourn.
U. S. and Mexico, native.
Reported for Baja Norte (Type loc. for T. californicum).
1086. T. irazuense (Kuntze) Hitchc.
Mexico and Central America south to Ecuador, native.
Pine woods: San Luis Potosi south to Chianas.
1087. Trisetum mexicanum (Swallen) Koch.
Mexico, native, endemic.
Described from State y Mexico
1088. T. palmeri Hitchc.
Mexico, endemic.
Sonora, Coahuila, Sinaloa, Durango (type loc.) and Jalisco.
1089. T. pringlei (Scribn) Hitchc.
Mexico south to Panama, native.
Meadows: Oaxaca (type loc.) and Chianas.
1090. T. rosei Scribn. and Merr.
Mexico and Guatemala, native.
Mountains: Hidalgo, Mexico, Puebla and Chianas.
1091. T. spicatum (L.) Richt.
Arctic-alpine and south in the mountains, native.
Mountains: Coahuila and Nuevo Leon south to Puebla.
1092. T. viride (HBK) Kunth.
Mexico, endemic.
Mountains: Queretaro (Type loc.), Mexico and Oaxaca.
1093. T. virletii Fourn. "Mexico, endemic"
Mountains: Nuevo Leon, San Luis Potosi (type loc.), Michoacan, Guerrero, Mexico, Morelos, Puebla and Veracruz.

TRISTACHYA Nees

AVENEAE

Five species in Mexico and South America

1094. T. angustifolia Hitchc.
Mexico, endemic.
Known only from Nayarit.
1095. T. avenacea (Presl) Scribn. & Merr.
Mexico and Guatemala, south to Brazil, native.
Forest margin: Jalisco, Michoacan, Mexico, Oaxaca and Chianas.

1096. *T. laxa* Scribn. & Merr.
Mexico, endemic.
Durango (type loc.) and Sinaloa.
1097. *Trystachya papilosa* Guzman
Mexico, native, endemic.
Described from Nayarit.

TRITICUM L.

Hordeae

Many cultivated types.

1098. *T. aestivum* L.
Introduced.
Commonly cultivated.

UNIOLA L.

Centotheceae

Ten species in the American (cf. *Chasmanthium* Link)

U. S. and Mexico, native.

Reported only for Nuevo Leon

1099. *U. paniculata* L.
U. S. and Caribbean and Mexico, native.
Coastal dunes: Tamaulipas, Veracruz, Tabasco and Chiapas.
1100. *U. pittieri* Hack.
Mexico and Central America south to Ecuador, native.
Sea beaches: Baja California, Sonora, Sinaloa, Oaxaca and Chiapas.
1101. *Vetiveria zizanioides* (L.) Nash
Introduced from Asia.
Cultivated and escaped, reported from Chiapas and Quintana Roo.

VULPIA Gmel.

Festuceae

Thirty species, temperate Europe and North and South America.

1102. *V. bromoides* (L.) Gray
Introduced.
Weedy: reported from Mexico and Chiapas.
1103. *V. microstachys* Munro var. *ciliata*
- 1103a. *V. microstachys* Munro var. *pauciflora* (Beal) Leonard & Gould
1104. *V. myuros* var. *hirsuta* Hack.
Introduced?
Weedy: Baja California Norte, Sonora and Coahuila.
- 1104a. *V. octoflora* (Walt.) Rybd.

ZEA L.

Andronoconeae

One or two American species under cultivation.

1105. *Z. mays* L.
Subtropical American, native.
Commonly cultivated throughout Mexico.
1106. *Z. perennis* (Hitchc.) Reeves and Manrals.
Mexico, endemic.
Described from Jalisco.

ZEUGITES P. Br.

Eragrosteae

Twelve species in the American tropics.

1107. Z. americana Willd. var. mexicana (Kunth) Urban
Mexico south to Bolivia, native.
Tropical forest, S.L.P., Hidalgo, Guerrero, Veracruz
and Chiapas.
1108. Z. auriculata Tenori
Mexico, native, endemic.
Tropical forest or oak woods, Jalisco, Michoacan, Mexico,
Morelos and Guerrero.
1109. Z. capillaris (Hitchc.) Swallen
Mexico, endemic.
Tropical forest; Jalisco and Colima (type loc.).
1110. Z. hackelii Swallen
Mexico, endemic.
Tropical forest, Jalisco (type loc.) and Mexico.
1111. Z. latifolia (Fourn.) Hemsl.
Mexico, endemic.
Tropical forest; Jalisco, Guerrero, Oaxaca (type loc.)
and Chiapas.

ZOYSIA Willd.

5 species, mostly Asian.

1112. Z. matrella (L.) Merr.
Introduced from Asia.
Cultivated for lawns; Nayarit.
1113. Z. tenuifolia Willd.
Introduced from Asia.
Cultivated for lawns, Baja California Norte.

ZIZANIOPSIS Doell and Asch.

Three or 4 species in the Americas.

- Z. miliacea Doell and Asch.
U.S.A. and Mexico, native.
Aquatic, Veracruz.